


DESIGN AND ENGINEERING CONSULTING SERVICES FOR THE **KINGSTON CONNECTIVITY PROJECT**

RFP#: CK-EDSP-2015-001

January 30, 2015

Proposal Submission by

SARATOGA ASSOCIATES
Landscape Architects, Architects,
Engineers and Planners, P.C.

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518-587-2550
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Saratoga Springs • Syracuse • New York City

In association with

Engineering and Land Surveying, P.C.
56 Main Street
Poughkeepsie, NY 12601

HONE STRATEGIC
35 Hone Street
Kingston, NY 12401

Proposal Submission for

RFP#: CK-EDSP-2015-001
Design and Engineering Consulting Services for the Kingston Connectivity Project

January 30, 2015

Submitted to the

City of Kingston, New York

Submitted by

SARATOGA ASSOCIATES

Landscape Architects, Architects,
Engineers, and Planners, P.C.
Four Congress Park Centre
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Table of Contents

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Landscape Architects, Architects,
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January 30, 2015

Mr. Gregg Swanzey, Director
City of Kingston
Office of Economic Development & Strategic Partnerships
420 Broadway
Kingston, NY 12401

Re: RFP#: CK-EDSP-2015-001
Design and Engineering Consulting Services for the Kingston Connectivity Project

Dear Mr. Swanzey:

Kingston's historic rail lines offer an extraordinary adaptive reuse opportunity for the community. The design and implementation of a trail network connecting residents and visitors to the Hudson River waterfront will raise the city's profile as a livable, walkable community and a vibrant destination. A great deal of planning and visionary effort has been undertaken in recent years. Approval of numerous coordinated planning strategies illustrate the commitment of City leaders, special interest groups, residents, and funding organizations to advance local and regional assets. Saratoga Associates and its team fully understand that these efforts represent decades of investment and passion necessary to make the Kingston Connectivity Project a reality.

Saratoga Associates is thrilled by the opportunity to assist the City of Kingston with this significant project. We have assembled a highly experienced, multi-disciplinary team consisting of architects, landscape architects, planners, and engineers that have worked together on previous projects and have a strong team ethic. Our team brings broad experience in trails, complete streets, urban design and waterfront projects, as well as deep local knowledge of the city and the Kingston Point Rail Trail project by two of principal team members, Hone Strategic and KC Engineering & Land Surveying. We are adept at working with communities to lead them through the design process to successful, dynamic outcomes based in a detailed understanding of local conditions and stakeholder concerns.

We offer the City of Kingston a team that brings an intimate understanding of the city's history, plans, and community concerns.

Saratoga Associates ("Saratoga") is a multi-disciplinary professional firm with four decades of experience in providing landscape architectural, architectural, planning, and engineering services throughout the Northeast. We recognize that cities are socially and physically complex places. Our firm employs best management practices for sustainable design for a variety of urban project types including transit oriented development, complete streets, pedestrian and bicycle greenways, and downtown development. Our Landscape Architects, Planners, and LEED AP professionals offer the expertise necessary to address challenging urban redevelopment assignments in a creative, cost effective, and environmentally sustainable manner. Saratoga Principal Matthew Allen authored the successful Economic Development (Empire) Zone application for the City of Kingston two decades

ago, and more recently provided concept design for AVR Realty's Hudson Landing waterfront promenade.

KC Engineering and Land Surveying, P.C. ("KC"), a certified Disadvantaged and Minority Business Enterprise (D/MBE), will assist the team with land surveying, civil engineering, and regulatory compliance. Poughkeepsie based KC is a diversified, multi-disciplined consulting engineering firm providing comprehensive engineering and surveying services including civil, structural, geotechnical, traffic and transportation engineering, and complete survey and right-of-way mapping. KC's Project Manager, Nancy Clark, PE, is an Ulster County resident who has been actively involved in planning and preparation activities for the KPRT.

Hone Strategic, LLC ("Hone") joins our team to help our implement Kingston's coordinated planning strategies. Hone, a local business based in Kingston's historic Rondout District, specializes in urban planning, adaptive reuse, and facilitation of community outreach and participation. Hone will act as the team's liaison with City officials and community stakeholders, as well as providing valuable background and insight into the existing conditions and integration of the City's various plans in connection with the KPRT project. Hone's principal, Jennifer Schwartz Berky, has led teams in all phases of development, including strategic planning and visioning, design, construction, implementation, and management. Hone's portfolio includes a wide range of successful projects, such as the adaptive reuse of many types of structures, historic waterfront community planning, commercial district revitalization, infrastructure and site planning and development, and several major grant awards for capital projects

Saratoga's Firm principles – *creating compelling destinations, enriching communities and safeguarding special places* – have guided our work with many communities and their development of trails, complete streets and waterfront access across the state. We consider every new project an opportunity to live up to that vision. Kingston is a mature community in a unique position to leverage its strengths and opportunities to enhance walkability and revitalize its business districts through complete streets design practices.

Thank you for reviewing our proposal and qualifications. Our team is very excited about working with the City of Kingston on the design and engineering of this long planned multi-modal connection. If you have any questions, please let us know. We look forward to discussing the project with you.

Very truly yours,
SARATOGA ASSOCIATES
Landscape Architects, Architects, Engineers, and Planners, P.C.

Matthew W. Allen, RLA
Principal-in-Charge

1 | Firm Background & Team Qualifications

To address the goals and challenges of this project, we have assembled a team of experienced and talented professionals who share our philosophy and whose individual areas of expertise enable the Saratoga Team to provide the comprehensive professional services and experience necessary to ensure the success of this assignment.

Saratoga Associates | 21 Congress Street, Saratoga Springs, NY 12866

Saratoga Associates ("Saratoga") is a multi-disciplinary professional firm with four decades of experience in providing landscape architectural, architectural, planning, and engineering services throughout the Northeast. Our firm currently employs a professional, technical, and support staff of approximately 20 individuals. We take pride in our unique approach of developing long-term client relationships, which are built on years of confidence and collaboration. We strive to offer our clients dedicated, timely, and cost effective services with the objective of delivering experienced staff and customized recommendations that meet the client's specific project needs. We promote stewardship of community and the environment through planning and design. We are committed to our clients: whether they are individuals, companies, institutions with boards of directors, or governments and their constituents, we work by listening, understanding, and then creating the plans and designs that lead to success.

Hudson Landing Promenade Concept Sketch by Saratoga Associates

We provide high-quality, innovative designs that reflect the spirit of their place, the needs of stakeholders, and the realities of construction. Our disciplines include:

- Landscape architecture of streets, parks, campuses, and waterfronts that fosters the interaction of people in nature and creates community places of value;
- Engineering of site infrastructure to ensure environmental standards, conserve resources, and deliver long-term value; and
- Architecture of academic, commercial, residential, and recreational structures that facilitates use, enhances their settings, and incorporates sustainable principles.

We are an organization of professionals who value analytic skills, creativity, energy, and passion. We find joy in our work and fulfillment in the success of clients and communities.

We consistently strive to learn and to attain advanced credentials in our profession. We take pride in the fact that we have at least one LEED accredited professional in each of our core disciplines: Landscape Architecture, Architecture, Engineering, and Planning. This allows us to look holistically at the art and science of sustainability and include energy saving and environmentally sensitive design techniques into our everyday practice.

Key people who will be involved in this project include:

- Principal-in-Charge: ..... Matthew W. Allen, RLA
- Project Advisor: ..... William B. Kuhl, FASLA
- Urban Designer: ..... Brit G. Basinger , ASLA, LEEDAP
- Landscape Architect: ..... Ronald J. Mogren ,RLA, LEEDAP
- Site Designer: ..... Emily Gardner

KC Engineering and Land Surveying, P.C. | 56 Main Street, Poughkeepsie, NY 12601

KC Engineering and Land Surveying, P.C. ("KC"), a certified DBE/MBE is a diversified, multi-disciplined consulting engineering firm. Since its founding in 1983, KC has kept pace with the rapidly changing technical advancements in the industry. KC is able to provide public and private sector clients with a comprehensive range of professional services. The corporate headquarters of the firm is located in New York City, with regional offices in Circleville and Poughkeepsie, New York. Each of the offices works collaboratively together to best serve client needs.

KC's comprehensive engineering and surveying services include civil, structural, water, wastewater, geotechnical, traffic and transportation engineering, complete survey and right-of-way mapping, resident engineering, construction inspection and construction management, site safety, structural integrity/condition inspections, and engineering audits and constructability reviews. KC is committed to providing exceptional and personalized services to each client on every project, and can do it efficiently, effectively, and within budget.

KC is constantly striving to give clients more effective control over complex construction, delivering high quality finished projects on time and within budget. KC does it by managing people, quality, costs, and time in a safe, secure construction environment.

KC's civil engineering services include site grading and drainage, earthwork, pavement evaluation and design, soil erosion and sediment control plans, drainage structures design, utilities engineering including water and sewer systems, storm water management, roadway and site lighting, civil site plans, subdivisions and site layouts, parking lot design, permitting, cost estimation, and specifications.

KC's surveying and mapping group is a leading provider of boundary and topographic surveying, base mapping, right-of-way mapping, and GPS control along with its GIS and Laser Scanning services in the New York Metro and Hudson Valley areas. KC has a full-service land surveying group staffed by professionals with a wide variety of experience in handling any type of survey project.

The KC organization is committed to providing exceptional and personalized service to each client on every project, and they can do it efficiently, effectively, and within budget.

Key people who will be involved in this project include:

- Lead Civil Engineer .....Nancy Clark, P.E.
- Senior Civil Engineer..... Jamil M. Yousef, P.E.
- Senior Civil Engineer..... Jason Pitingaro, P.E.
- Topographic Surveying Manager .....David S. Baker, L.S.
- QA/QC Officer.....Joseph E. Paggi, Jr., P.E.

Hone Strategic, LLC | 35 Hone Street Kingston, New York 12401

Hone Strategic, LLC ("Hone") specializes in planning, adaptive reuse, and development for places of exceptional value. Their team has extensive experience in design and construction, urban and regional planning, and organizational planning and development. Hone offers consulting services to help generate the client's vision and carry it through implementation. This often begins by working with and advising leaders and stakeholders on team building, convening and facilitation of group dialogue, asset evaluation, feasibility analysis, and overall project design and development. Hone has led teams in all phases of development: strategic planning and visioning, design, construction, implementation, and management. Hone's portfolio includes a wide range of successful projects: adaptive reuse of many types of structures, world heritage site planning and cultural resources management, historic waterfront community planning, commercial district revitalization, infrastructure, site planning and development, community outreach campaigns, government, non-profit and corporate visioning, strategic planning, and several major grant awards for capital projects.

Hone's resourceful, tailored approaches have helped government agencies, educational institutions, cultural organizations, real estate developers, private corporations, and home owners.

Key people who will be involved in this project include:

> Senior Planner .....Jennifer Schwartz Berky, Principal

MATTHEW W. ALLEN, RLA

Treasurer, Principal

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PROFESSIONAL EXPERIENCE

A Registered Landscape Architect with over 25 years of experience in regional, community, and environmental planning, and regulatory permitting. Mr. Allen heads up Saratoga Associates' Visual Assessment and Scenic Resource Management studio. He is a recognized leader in the specialized discipline of visual impact assessment and aesthetic mitigation and is highly skilled in the application of advanced computer-generated visual simulation, animation and viewshed development technology. Mr. Allen served on the peer review team for the landmark 2000 NYSDEC Program Policy concerning visual impact assessment and mitigation and frequently serves as a third party advisor to the NYSDEC, helping state regulators understand and minimize aesthetic impacts associated with large and often controversial development projects. With Mr. Allen's unique expertise, Saratoga Associates is able to assist project sponsors to identify cost effective site selection and design solutions that make a project more compatible with its surroundings, and ultimately easier to permit.

PROJECT ROLE

Principal-in-Charge

EDUCATION

Master of Science Urban and Environmental Studies, Rensselaer Polytechnic Institute, 1991

Bachelor of Landscape Architecture, SUNY College of Environmental Science and Forestry, 1983

REGISTRATION/CERTIFICATION

New York - License # 001087

REPRESENTATIVE EXPERIENCE

- **City of Jamestown Comprehensive Plan and Zoning Update, City of Jamestown, NY**
  Project Design/Planner for a comprehensive land use and economic development strategy to redirect a declining industrial community.
- **NYS Canals Inventory Project, New York State Thruway Authority**
  Project Designer/Planner for the design and development of a complex GIS database inventorying more than 70 physical and natural entities found within a ¾ million acre study area surrounding the 524-mile long NYS Barge Canal System.
- **Kingston Economic Development Zone Application, City of Kingston, NY**
  Project Manager for the preparation of Kingston's successful 1994 EDZ Program Application. Included research into economic and human resource conditions, public outreach, and zone implementation strategy.
- **Niagara Mohawk Land Use Analysis, Upstate New York**
  Project Designer/Planner for a large-scale land use plan for more than 75,000 acres of non-operational properties along various river corridors throughout NYS.
- **Millard Fillmore Health Systems GIS Analysis, Buffalo, NY**
  Project Designer/Planner for the design and implementation of a GIS analysis of various demographic conditions for the purpose of identifying suitable Western New York sites for an ambulatory health care facility.
- **Breneman Site Redevelopment, Oswego County, NY**
  Project Designer/Planner for a master plan for the redevelopment of an abandoned mill facility in an urban location.
- **Bethlehem Steel Industrial Redevelopment, Bethlehem, PA**
  Project Manager for a master plan for the commercial and industrial reuse of a former steel-manufacturing site.
- **Pioneer Business Park, Pioneer Development Company, Dewitt, NY**
  Project Designer/Planner for the site master planning of a 51-acre office and industrial park.
- **Harborfront Comprehensive Plan, Erie County, NY**
  Project Designer/Planner for a master plan for the potential mixed commercial, industrial, and recreational redevelopment of the 1,300 acre former Bethlehem Steel site.
- **Route 219 Highway Corridor Extension Development Strategy, Cattaraugus County, NY**
  Project Designer/Planner for this county-wide economic development strategy in preparation for the construction of a new interstate highway.Project Description, News Gothic Std, 9pt,

WILLIAM B. KUHL, FASLA

Chairman of the Board/Senior Principal

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PROFESSIONAL EXPERIENCE

Mr. Kuhl has been a practicing landscape architect in New York City for more than 40 years, 33 as the head of his own firm. He was elevated to Fellow in the American Society of Landscape Architects, in the category of Executed Works in 1996. Projects designed by him, or executed under his direction, have had a distinct focus on the public realm and are located throughout the US and abroad. In New York City, Bill has provided consulting services to many of the City Agencies including NYC DDC, NYC DOT, NYC EDC, NYC DPR, and NYC SCA, and, as a result, is well versed in the City's approval processes. A majority of these projects have encompassed the urban design of public spaces, and community revitalization and renewal Projects often include integration of multi-textured streetscapes, dynamic, open space nodes and plazas, and urban parks. Engaging key stakeholders and the public has always been a hallmark of Mr. Kuhl's iterative design process, as is his ability to realize his clients' expectations, adhere to budgets and schedules, and balance competing interests without compromising a project's design integrity; Mr. Kuhl's more than 80 National, state and city awards attest to this ability and to his success in realizing the full potential of each project.

Mr. Kuhl has taught at City College of NY, lectured at Rutgers and NJIT, and at numerous seminars. He co-Chaired "The Designing for a Secure Future Symposium," held in NYC after 9/11 and is currently the National ASLA representative on the National ACE Mentor Board of Directors. In addition to being Chairman of the Board, he is the Managing Principal for the Saratoga Associates NYC Office and overall Principal in Charge of the firm's Landscape Architecture practice.

REPRESENTATIVE EXPERIENCE

- **New Hyde Park Streetscape, Village of New Hyde Park, NY**
  Working in close collaboration with the Village, the New York State DOT, and employing an ongoing informative public outreach process, Saratoga Associates focused on a section of Jericho turnpike that ran through the middle of New Hyde Park. The focus of this project was to introduce traffic calming by introducing bulbouts and crosswalks utilizing decorative pavement, new planted medians, a comprehensive street tree planting program, custom street lighting and wayfinding signage. It also included the introduction of new site furniture placed in a paving pattern of new decorative concrete pavers that function as the overall unifying matrix for the new streetscape. The project also introduced "pocket parks" at strategic locations along the streetscape. The last phase of construction was completed in 2014.
- **Roadway Improvements to Mosholu Parkway, NYC Department of Design and Construction, Bronx, NY**
  Led efforts for the comprehensive site assessment, tree inventory and design of pedestrian and bicycle pathways and improvements to urban forest and parklands along the 1.2-mile stretch of Parkway. Prepared extensive tree inventory, analysis and mitigation reports as part of the Weidlinger Associates Team.
- **Roadway Improvements to Fordham Road, NYC Department of Design and Construction, Bronx, NY**
  Led efforts to incorporate best management and sustainable design practices that followed DDC's High Performance Infrastructure Guidelines. The plan involved design of pedestrian pathways and a vegetated roadway median. Saratoga Associates prepared extensive tree inventory, analysis, and mitigation reports as part of the Weidlinger Associates Team.
- **Roadway Improvements to Grand Concourse, NYC Department of Design and Construction, Bronx, NY**
  Provided leadership in the re-design of this eight-lane urban roadway including open space and streetscape improvements to pedestrian, bicycle, and vehicular circulation. Additionally, Saratoga Associates integrated the design of pedestrian plazas, as well as landscape treatments that promote biodiversity and sustainability. Work includes extensive tree inventory, analysis, and mitigation design as part of the Weidlinger Associates Team.
- **Complete Streets On-Call Program, NYC Department of Transportation, New York, NY**
  As part of the STV Inc. Team, Mr. Kuhl led Saratoga Associates' efforts for on-call urban design and landscape architectural services for various projects, focused on conversion of NYC streets to "complete streets" with emphasis on enhanced safety for pedestrians and cyclists. Projects include Broadway junction, Safe Routes to School, and the 1st and 2nd Avenue and 34th Street Select Bus Service Assignments. Contract fees were up to $2M over 2 yrs.
- **Myrtle Avenue Street Pedestrian Improvements, NYC Economic Development Corporation, Queens, NY**
  Principal-in-Charge for streetscape improvements along the 10-block business improvement corridor on Myrtle Avenue in Ridgewood, Queens, New York. Landscape improvements to sidewalk, pedestrian plazas, and park improvements.
- **Mineola Downtown Improvements, Village of Mineola, NY ***
  Contributed urban design and site planning expertise to the preparation of the Village's new comprehensive Master Plan. Assisted the Village with an extensive public

PROJECT ROLE

Principal Landscape Architect

EDUCATION

Bachelor of Landscape Architecture from both New York State College of Environmental Science and Forestry and Syracuse University, 1967
Graduate Studies in Urban Planning, New York University, 1970-72

REGISTRATION/CERTIFICATION

Connecticut, Florida, Maryland, Massachusetts, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Texas, Virginia

PROFESSIONAL ORGANIZATIONS/AFFILIATIONS

Fellow, American Society of Landscape Architects (ASLA)

Member, Council of Landscape Architectural Registration Boards (CLARB)

Architecture, Construction, & Engineering (ACE) Mentor

National ASLA representative to ACE, Board of Directors

Member, Advisory Council, Sustainable Long Island

Member, New York New Visions Design Guidelines Review Committee, Lower Manhattan Development Corporation

National Trustee, ASLA New York Chapter, 1995-2002

Member, ASLA New York Chapter Executive Committee

Chairman, ASLA New York Chapter Annual Awards Program, 1993 - 1995

outreach process and then with facilitating the implementation of the Master Plan, including the planning and design of new town green and central open space, neighborhood parks, and design of the downtown area streetscapes on Mineola Boulevard and Jericho Turnpike. Provided consulting services to the Village for implementation of Intermodal Transit Oriented Development.

> **Franklin Avenue Beautification, Village of Garden City, NY ***
Site planning, construction documentation and construction observation for implementation of 6-block street beautification for a downtown business area in one of America's first planned communities. Design features include custom bus shelters, bollards, street signs, arbors, informational kiosks, and tree grates. Open spaces created for pedestrian gathering incorporated water features, gazebo, town clock, and a rose garden for this multiple award-winning project.

> **River Greenway and Downtown Improvements, Village of South Orange, NJ**
Led efforts for the design of a new River Greenway and Downtown Improvements along the East Branch of the Rahway River as it passes through the heart of the South Orange community in New Jersey. This pedestrian/bikeway will provide an organizing backbone linking parks, recreation facilities, schools, transportation, and the downtown with the surrounding residential community. Work includes key roadway crossings and links the community with the centrally located commuter rail station.

**Prior to association with Saratoga Associates*

BRIT G. BASINGER, ASLA

Director of Landscape Architecture/Senior Associate

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PROFESSIONAL EXPERIENCE

With over 20 years of experience as a landscape architect, Brit brings a seasoned approach to project design and management. He is recognized for his award winning capability to create a unique and responsive vision for each project. Brit's project work encompasses long-term master planning, community visioning, project programming, site design, and collaborative project management. His areas of expertise include land use master planning, waterfront design, parks and open space design, environmentally sustainable strategies, corporate facility master planning, community planning, economic redevelopment strategies, streetscape design, mixed-use planned development planning and urban design.

Brit works with a wide range of clientele including municipalities, private sector developers, corporations and special interest groups to create meaningful design solutions that provide context-sensitive assets for the local communities and region in which the projects are located.

PROJECT ROLE

Landscape Architect

EDUCATION

Bachelor of Landscape Architecture
Michigan State University. 1992

REGISTRATION/CERTIFICATION

Michigan – License # 001243
New York – License # 001703

PROFESSIONAL ORGANIZATIONS/AFFILIATIONS

American Society of Landscape Architects, Member

REPRESENTATIVE EXPERIENCE

> **Congress and Ferry Street Corridor Plan, City of Troy, Troy, New York**
Lead Landscape Architect and Urban Planner responsible for working with a multi-disciplinary team to create a master plan that re-purposes various large vacant parcels destroyed during the late 60's urban renewal programs into adjacent vibrant districts. These include Downtown Troy, Rensseleaer Polytechnic Institute Campus, existing hillside neighborhoods and Prospect Park. The focus of the plan is to rebuild the urban fabric with multi-level and mixed-use development to foster rebirth and investment in this part of the City. Key features of the plan include a walkable and bikeable streetscape environments, street-level storefronts, restaurants, upper floor offices and residential to create a vibrant urban district.

> **Revitalizing the Route 2 Corridor Study, Chittenden County Metropolitan Planning Organization, Burlington, Vermont**
Project I Landscape Architect working with a team of Community Planners and Traffic Engineers to develop [a multi-modal transportation improvement plan. The final plan presented a comprehensive and coordinated list of innovative highway, transit, bicycle and pedestrian facility, streetscape, and land use recommendations that satisfy an overall corridor vision to develop a fully integrated multimodal network.

> **Brewerton Revitalization, Town of Cicero, NY**
Lead Project Designer for Route 11 streetscape improvements and Oneida Riverfront Park that included close coordination with NYS Department of Transportation and community coordinated program development.

> **Irvington Main Street Streetscape Master Plan, Irvington, NY**
Project Landscape Architect and Community Planner for the development of a Master Plan for this historic community's Main Street. Saratoga developed a plan that was sensitive and respectful of the Village's historical character and would activate the Main Street setting. The project targeted ways to "capture" space for use as parks, social nodes and sitting areas within a quaint village setting. Primary project objectives included strengthening linkages to the Village's surrounding historical assets to attract tourists, and establishing a context appropriate palette of site furnishings and materials.

> **Mohawk Pedestrian Bridge, City of Amsterdam, Amsterdam, NY**
Lead Landscape Architect responsible for designing a pedestrian bridge over the Mohawk River that connects two important districts within the City of Amsterdam including the downtown business district, Riverlink Park and future Mohawk River greenway. The bridge design is unique due to the prolific planting and interpretive design features that create a park and plaza setting over the Mohawk River.

> **Via Ponte District Revitalization Plan, City of Amsterdam, Amsterdam, NY**
Project Manager responsible for preparing a visionary revitalization strategy and development suitability analysis of a historic waterfront district that included private development opportunities, public sector support and park and recreation opportunities connecting the neighborhood to the waterfront.

RONALD J. MOGREN, RLA

Senior Associate

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PROFESSIONAL EXPERIENCE

With over 25 years of experience as a Landscape Architect, Ron brings a seasoned approach to work relating to the design and construction of site development projects. He has an extensive background in all faucets of project management. His area of expertise includes site and land use planning, stormwater management, including green infrastructure practices, erosion and sediment controls, streetscape design, athletic facility design and. He also has an extensive background in the preparation of construction documents, including design development, technical drawings, project manuals, specifications, estimate of probable costs and construction administration.

PROJECT ROLE

Landscape Architect

EDUCATION

Bachelor of Landscape Architecture, SUNY College of Environmental Science and Forestry, Syracuse University, 1980

Bachelor of Science, Environmental Studies, SUNY College of Environmental Science and Forestry, Syracuse University, 1979

REGISTRATION/CERTIFICATION

New York – License # 001129-1
Florida – License # 1085

PROFESSIONAL ORGANIZATIONS/AFFILIATIONS

Village of Lake George Zoning Board Chairman

REPRESENTATIVE EXPERIENCE

- **Brewerton Revitalization, Town of Cicero, NY**
  Project Landscape Architect for the technical design through construction documents of a riverfront park and streetscape improvements.
- **Village of Manlius, Swan Pond Renovations, Manlius, NY**
  Project Landscape Architect for the site planning and design associated with the redevelopment of Swan Pond Park. Program included pedestrian plaza's, pedestrian circulation, site furnishings, lighting, porous pavements, rain garden and bioretention stormwater management facilities. Also included were fencing, lighting, landscaping and wildflower seed establishment. Stream crossings and stream re-alignment were also part of the program.
- **Village of Lake George, Streetscape Design Canada Street, Lake George, NY**
  Project Manager for the site planning and design associated with the construction of a new streetscape on Canada Street, including new concrete and brick pavements, granite curbing, site furnishings and landscaping.
- **Malta Community Center, Town of Malta, NY**
  Project Manager for the site planning and development associated with a new recreational building expansion at the community center. Work included a pedestrian plaza, pedestrian circulation, vehicular circulation, parking lot, bioretention stormwater management, lighting, signage, landscaping and lawn establishment.
- **Lake George Shoreline Walkway, Lake George, NY**
  Project Manager for the design through construction of a shoreline walkway including pedestrian walkways, steel sheeting, stormwater management, landscaping, signage and site furnishings.
- **Robert Moses Parkway South Improvements, NYS Office of Parks, Recreation and Historic Preservation, Niagara Falls State Park, NY**
  Project Landscape Architect for site planning and design.
- **Greater Amsterdam Riverlink Park Phase 2, City of Amsterdam**
  Project Manager for the design through construction of a city park along the Mohawk River. Program included the "Painted Rocks of Amsterdam" historic Indian artificial rock display, pedestrian circulation, lighting, stormwater management, site furnishings and landscaping.

EMILY GARDNER

Site & Community Planner

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PROFESSIONAL EXPERIENCE

With experience in both design and planning, Emily's areas of interest include site and land use planning, environmental planning, and community planning. Her past experience includes designs for stormwater management, including green infrastructure practices and erosion and sediment controls, brownfield and waterfront revitalization, and residential and streetscape design. She also has technical experience in the development of 3D models and presentation graphics, as well as in the preparation of construction documents, including design development, technical drawings, and specifications.

PROJECT ROLE

Landscape Architect

EDUCATION

Masters in Urban and Regional Planning & Graduate Certificate in Urban Policy, University at Albany, SUNY. 2013

Bachelor of Science, Landscape Architecture
Cornell University. 2008

PROFESSIONAL ORGANIZATIONS/AFFILIATIONS

American Society of Landscape Architects, Associate Member

American Planning Association, Member

REPRESENTATIVE EXPERIENCE

> **Hamlet Master Plan, Hamlet of Brentwood, Town of Islip, NY**
Assisted in the development of the draft Downtown Brentwood Master Plan and Marketing Positioning strategy.

> **Brownfield Opportunity Area Report, East Syracuse, NY**
Assisted in the preparation of a Study for the Village's downtown district, including priority revitalization parcels and development of a streetscape plan.

> **Brownfield Opportunity Area Report, City of Amsterdam, NY**
Assisted in the preparation of a Pre-Nomination Study for the City's northern and eastern neighborhoods. These neighborhoods have a mixture of abandoned and partially occupied industrial buildings along with waterfront areas, residential and mixed-used neighborhoods in need of revitalization.

> **Third Party Review - Zoning**
Assisted in third party review of the proposed Avalon development for the Village of Great Neck, Long Island regarding brownfield regulations and compliance with the Village's existing zoning regulations.

> **Environmental Assessment Process, Orange County, NY**
Responsible for the preparation of the Draft Environmental Assessment form and associated SEQR documentation for the anticipated negative declaration associated with the adoption of the Orange County Greenway Compact.

> **Lincoln Depot Plaza, Peekskill, NY***
The project involved the development of a civic plaza and interpretive area outside of a museum and visitor center for this historic site, including interpretive elements, a brookside boardwalk, and a raingarden and bioswale. Project scope included design and construction documents, planting plans, and product specifications, as well as a 3D model.

> **Saugerties Public Library, Saugerties, NY***
Created planting design and coordinated documents with consultant for bid submission for the library's expansion.

> **Soundview Point, Queens, NY***
Responsible for the modification and redesign of a waterfront walkway for a new townhome community at College Point in Queens. Project scope included planting design, walkway layout, product selection, and construction details.

**Prior to joining Saratoga Associates.*

SARATOGA ASSOCIATES

Nancy A. Clark, P.E.

Lead Civil Engineer

Education

BS, Civil Engineering, Worcester Polytechnic Institute, Worcester, MA, 1988

Licenses & Certifications

Professional Engineer, NY #071946

Related Community Involvement

Member Kingston Land Trust Trail Development / Greenline Committee

Presenter

NYS Building Codes for Sites (with focus to accessibility) PDH Course at NYSOGS, NYSSPE, MHCCES, ACEC webinar, and NYS Association of Towns (2012 to 2014)

Summary

Ms. Clark has over 26 years of broad based consulting experience on various projects for public and private sector clients, with a focus on municipal and campus projects. Civil engineering consulting experience has included duties related to evaluation, design, and construction projects; regulatory, budget, and contract compliance; project management; community planning projects and public meetings; and management of staff to meet project needs. Ms. Clark has provided technical consultant services for municipal special district projects, several municipal capital improvement projects, and several site improvement projects through concepts, design, approvals, bidding, and construction.

Relevant Project Experience

Village Engineer, Village of Rhinebeck, NY: Serves as Village of Rhinebeck Engineer responsible for general civil engineering services as requested by the Village Board, Planning Board, and Departments. Services include preparation of design drawings, specifications, reports, and opinions of probable cost for roadway; pedestrian, drainage, and water improvements; preparation of inspection, maintenance, and emergency action reports for a regulated dam; and construction support services as needed. Services also include review of site plans and subdivisions; storm water management plans and reports; water and sanitary sewer connections; grease trap designs; roadway, parking, pedestrian, and accessible improvements; retaining wall designs; and landscaping and lighting plans. **(2009 to Present)**

FDR National Historic Site, Site Civil Engineer, Hyde Park, NY: As site civil sub-consultant to the Architect, served as Project Manager and Lead Engineer to complete detailed design drawings and technical specifications for signalized intersections, highway entrance modifications, the new spur trail, new parking lot with bus drop off and pedestrian shelter, and storm water management design. Project scope included site civil and structural design for stream crossing and wetland crossing boardwalks and a pedestrian shelter, traffic signal design, and electrical design for electrical service modifications. All design, including horizontal and vertical layout considering accessibility, was coordinated with the landscape architectural sub-consultant. Work included construction support services. **(2011 to 2013)**

Village of Rhinebeck Accessible Crosswalks, Various Locations, Dutchess County, NY: Served as Project Manager and Lead Engineer for two separate projects for new accessible

crosswalks in the Village business district. The Village of Rhinebeck obtained a Hudson Valley Greenway Grant for one of the projects and obtained Community Development Block Grant funds for the other project. In 2012 and again in 2014, Ms. Clark prepared design plans necessary for the Village to obtain a NYSDOT Highway Work Permit and solicit contractor bids for construction. Provided engineering construction support through the end of each project. **(2012 to 2014)**

Kingston City School District 2014-2015 Capital Improvements, Site Civil Engineer, Ulster County, NY: As site civil sub-consultant to the Architect, served as Project Manager and Lead Engineer for site improvements at the Chambers Elementary School and the Miller Middle School. Project work was advanced through collaboration with the School District, the Architect, and the School District's Construction Manager. Miller Middle School included sidewalk and parking lot improvements, a new student drop off area and building entrance courtyard, accessible curb ramps, and new bus loop with improved bus loading areas. Chambers Elementary School included sidewalk improvements with accessible curb ramps and plantings. Site civil engineering scope included feasibility review, conceptual layout, detailed design including plans and technical specifications for submittal to the State Education Department (SED) for review and approval, detailed plans and technical specifications for bidding and construction, and engineering construction support. The projects achieved an accelerated schedule for design followed by construction in summer 2014. **(2013 to 2014)**

Hendrick Hudson School District, Westchester County, NY: Served as Project Manager for facilities infrastructure upgrades for four sites. Work included parking, driveway, handicap access, play area, sidewalk, and curb repair and improvements, athletic field restoration and drainage improvements, and water service connection and irrigation system design. **(2009)**

South Peak Subdivision, Town of Saugerties, NY: Served as Project Manager and Lead Engineer for this 22 lot residential subdivision with individual wells and subsurface sewage disposal (SDS) systems. Work included: design of a roadway system that would access the site while maintaining the topographic interest and minimizing impacts to the wetlands and stream, design of each lot with a private water supply well and an individual SDS, approval from the Ulster County Department of Health (UCDH) for the on-site SDS's, pending approval from UCDH for on-site water supply wells, and storm water management design, work included redesign to comply with regulatory modifications to the New York State Storm Water Design Manual. The storm water design for the site included offsite improvements to two adjacent neighborhoods to alleviate localized flooding. Project is on hold by the Owner. **(2010)**

Vanderbilt Garden Subdivision, Hyde Park, NY: Served as Project Manager and Lead Engineer for this 55 lot residential subdivision. Site features significant wetland, habitat, and topographic constraints. Site also includes many existing stonewalls. Revised sketch plan based on field walk with wetland biologist and GPS backpack. Prepared DEIS, met with NYSDEC to discuss sketch plan layout relative to on-site wetlands, habitat and species, revised sketch plan based on comments from NYSDEC and obtained positive response from NYSDEC. Project is on hold by the Owner. **(2010 to 2013)**

Jamil M. Yousef, P.E.

Senior Civil Engineer, Bridges and Traffic Calming

Education

Post Graduate Courses, Columbia University

Master of Engineering, The City College of New York, 1984

Bachelor of Engineering, The City College of New York, 1982

Licenses & Certifications

Professional Engineer, NY, 1988, License #065165

Summary

Mr. Yousef has over 30 years of experience in planning, design, and construction management of highways, bridges, and related infrastructure in the New York metropolitan area. Clients have included the NYSDOT, NYCDOT, NYCEDC, NYCDDC, and private clients such as Con Edison and Verizon. Mr. Yousef has extensive civil and structural design experience ranging in scope from the rehabilitation and reconstruction of highways, local streets and plazas, traffic operations, bridges, and seismic retrofitting of superstructure and substructure elements, to in-depth inspection, retaining walls, and related structures. He is familiar with all aspects of contract document preparation and inter-agency coordination.

Relevant Project Experience

Flatbush/Nostrand Avenues, Brooklyn, NY: As Project Engineer, responsibilities included preparation of final contract plans, specifications, and construction cost estimates for the preliminary and final design for the rehabilitation of this congested commercial, academic, and pedestrian area. In addition to roadway, sidewalk, and streetscaping improvements, this project included replacement of sections of the sewers located in the sidewalk area under Transit Authority (TA) subway vents between subway station walls and building lines. Project required removal and replacement of subway vents and special excavation techniques such as building underpinning in accordance with TA standards.

Greenwich Street Final Design, New York, NY: Performed construction support services for this $3M EDC project for the reconstruction of Greenwich Street in Lower Manhattan's Tribeca neighborhood. Project involved a significant narrowing of the street and the provision of a landscaped pedestrian boulevard along the west side of the street. Construction support included grading, geometry, and design of field changes for realignment of wall fronting Washington Market Park.

Reconstruction of 44/45th Avenue, Queens, NY: As Project Manager, Mr. Yousef was responsible for the preparation of final contract plans, specifications, and construction cost estimates for the reconstruction of 44th and 45th Avenue between National Street and 114th Street in Corona for NYCDDC. This project required special design considerations and coordination with the LIRR and the community board due to the narrow corridor that 44th and 45th Avenue share with the LIRR.

Fulton Street, Brooklyn, NY: As Project Engineer, he was responsible for the preliminary design investigation, topographic survey, utility survey, traffic studies, soil boring, schematic design, and construction cost estimates of 4,000 LF of Fulton Street between Clinton and Bedford Avenues. This street section comprises the roof of a Transit Authority station.

Reconstruction of Springfield Boulevard, Queens, NY: As Project Engineer, he was responsible for the preliminary design investigation of this one mile street including survey, traffic study, schematic design, and construction cost estimates. Schematic design was performed to improve traffic and pedestrian safety while minimizing impacts to private properties.

Final Design of the Reconstruction of 72nd Street and Retaining Wall, Queens, NY: Responsible for the preparation of final design services including roadway reconstruction and secant type retaining wall construction, sewer, water main, street lighting plans, specifications, estimates, and project presentations to the local Community Board and City agencies.

Design of the Miller Highway Tunnel Between West 61st Street and West 65th Street, Riverside South Project, NYSDOT and NYCDOT, Extell Development, Manhattan, NY: Project Manager for the design and preparation of fully coordinated final construction documents for approval by NYSDOT, NYCDOT, and other City agencies for the future Miller Highway Tunnel structure between West 61st Street and West 65th Street. This project is part of the future relocation of the Miller Highway between 59th Street and 72nd Street on Manhattan's West Side along the Hudson River. Seismic analysis in this project was particularly important due to the quality of the soil and proximity of the project to the Hudson River. Responsibilities also included providing construction support services, affidavits, and other documentation, as required, to assist the owner in obtaining final acceptance of the Tunnel by NYCDOT.

Design of West 61st and 64th Street Bridges Riverside South Project/Hudson Waterfront, Manhattan, NY: Project Manager for the design and preparation of fully coordinated construction documents for the approval of NYCDOT and other City agencies for bridge structures at West 61st Street and West 64th Street crossing over AMTRAK. This project is part of the 74.6 acre site development of the former Penn Central rail yard, located on Manhattan's West Side along the Hudson River.

Design of West 63rd Street Bridge, Riverside South Project/Hudson Waterfront, Manhattan, NY: Project Manager for the design and preparation of final construction documents for the approval of NYCDOT and other City agencies for the bridge structure at West 63rd Street crossing over AMTRAK. This multi-span, multi-steel girder structure has a unique geometry. The structure spans in two directions, along Freedom Place and along West 63rd Street, and required special seismic analysis and design. Responsibilities included providing construction support services, affidavits, and other documentation to assist the owner in obtaining final acceptance of the bridge by NYCDOT.

Jason Pitingaro, P.E.

Senior Civil Engineer, Sidewalks and Streets

Education

MS, Civil Engineering, Stevens Institute of Technology, 2008

BS, Civil Engineering, Stevens Institute of Technology, 2006

Licenses & Certifications

Professional Engineer:

NY, #088165, 2011

NJ, 2010

NYSDEC Wastewater Operator-Activated Sludge Course

LEED 101: Getting Started with Green Workshop

Summary

Mr. Pitingaro has over 13 years of extensive experience with AASHTO NYSDOT design standards and is an expert in the design of street reconstruction projects, street resurfacing projects, sidewalk construction projects, sewer and water main installation, replacement, rehabilitation, and other structural work, including retaining walls, bulk heads, and step streets. Mr. Pitingaro has practiced aspects of public utility design, ROW design, erosion control plans, storm water quality, and utility mapping. He is well versed in MicroStation, Inroad, AutoCAD, GIS, HEC-RAS, HEC-HMS, HydroCAD, and Winstorm 3.05 software programs, NYSDEC and NYSDOT required standards and zoning regulations. His time management and communication skills make him a client favorite, always finishing projects on time and within budget.

Relevant Project Experience

Crystal Run Healthcare REIT Runoff Mitigation Project: The scope of work for this project included evaluation and remedial design for existing parking areas and travel ways for Crystal Run Healthcare REIT's Suffern medical building. The parking area, surface, and subsurface drainage systems were surveyed and analyzed to determine what conditions existed that were contributing to improper drainage and areas of ponding throughout the site. Pavement remediation and drainage improvements were designed to alleviate the conditions and improve safety for pedestrians by preventing icing conditions from occurring. **(Construction Cost: $250,000, Project Completion: 2013)**

Greentree Homes Residential Community Pavement Rehabilitation Project: The scope of work for this project included evaluation and repair of multiple sections of the internal roadways for the Greentree Homes Residential Community. The work included repairs to asphalt pavement in roadways and parking areas, replacement of drainage structures, and establishment of new drainage systems as well as preventative maintenance of all paved areas throughout the community. **(Construction Cost: $300,000, Project Completion: 2014)**

Orange County Route 78 and High Barney Road Intersection Improvement Project: The scope of work for this project included the design of intersection improvements for turning movements from both CR 78 and High Barney Road. The design included a new left turn only lane on CR 78 and a right turn only slip lane from High Barney Road onto CR 78. The design reduced wait times for both turning movements while minimizing capital costs to

both the county and Town of Wallkill. **(Construction Cost: $400,000, Project Completion: 2013)**

Route 32, Trout Brook Road and Smith Clove Road Water System Upgrades, Village of Woodbury, NY: As part of a 450 lot residential development WP3 in Village of Woodbury, Mr. Pitingaro designed and developed supporting reports and contract documents for the 2.3 miles long new water mains through County, Town, and Village roads. The project also entailed the development of a new well system and associated water treatment system and construction of new water storage tanks to upgrade the Village of Woodbury Water System for the portable water needs from proposed residential development. **(Construction Cost: $2,4M, Project Completion: 2013)**

Highway Runoff Mitigation Project: The scope of work for this project included Final Design Phases V-VI for various Highway Runoff Mitigation project locations in Towns of Huntington, Brookhaven, Babylon, East Hampton, and South Hampton in Suffolk County and Towns of North Hempstead, Oyster Bay, and Hempstead in Nassau County. **(Construction Cost: $9.0M, Project Completion: 2012)**

I-495 Service Roads Operational Improvements: The scope of services included the Final Design (Phases V-VI) for operational improvements to the Long Island Expressway (I-495) North and South Service Roads at Walt Whitman Road.

- North Service Road (± 0.3 Miles / 1,500')
- South Service Road (± 0.6 Miles / 3,000')
- Two Signalized Intersections (NB & SB Service Road/Walt Whitman)

Work included the Project Scoping Report/Final Design Report (PSR/FDR) along with the preliminary design tasks required to assist the Department in completing Design Phases I-IV and Final Design Phases V-VI based on the Initial Project Proposal (IPP) prepared by the NYSDOT, and to identify the project scope and determine the feasibility of critical roadway improvements required to mitigate the traffic generated by new economic development occurring in the vicinity of the Long Island Expressway within the NY Route 110 corridor. **(Construction Cost: $6.0M, Project Completion: 2012)**

Design Services for Pavement Rehabilitation and Minor Structural Repairs of I-95 from Milepost NE 0.17 to NE 14.1 Northbound and Southbound in the New York Division: Phases I – VI for the rehabilitation and minor structural repairs of I-95 from milepost (MP) NE 0.17 to NE 14.1 Northbound and Southbound in the New York Division. The scope of work includes preparation of the design approval document (DAD), performing level of service and accident analyses, pavement evaluation including treatment selection analyses and life-cycle cost analyses, pavement testing, identification of areas needing repair, mapping, environmental studies (including wetland delineation and hazardous materials studies), identification of environmental permitting needs, safety upgrades, preliminary design of site specific work zone traffic control, preparation and submission of preliminary plans with options, CPR/1R and 2R for pavement rehabilitation, detailed highway plans, cost estimating, ADP contract drawing, and final PS&E. **(Construction Cost: $35.0M, 2010 to Present)**

David S. Baker, L.S.

Topographic Surveying Manager

Education

BA, English and Sociology, St Lawrence University, 1975

AAS, Sullivan County Community College, Land Surveying, 1995

Licenses & Certifications

Professional Land Surveyor, NY, #050505, 2002

10-Hour OSHA Certified, Safety and Confined Space Training

Summary

Mr. Baker has 37 years of experience in all aspects of land surveying, including field work, deeds, records research, computations, mapping and resolution of boundaries, topography, vault, and hydrographic surveys. He also has extensive experience with high order GPS collection and control networking. Mr. Baker is well versed in CADD solutions, in addition to possessing a strong knowledge of Carlson Civil/Survey software.

Relevant Project Experience

Hydrographic and Topographic Survey for Metro-North Railroad, Peekskill, NY: Survey performed to support a study of failed embankment area along the Hudson River line, westerly shore of the Hudson River at MP 43.8. Provided a full topographic survey of the study area including GPS coupled echo soundings, setting of control/permanent benchmarks utilizing networked GPS receivers referenced to published NGS monumentation, and digital level runs to established benchmarks. Conversion of coordinate systems and vertical datum to NAD 27 and NGVD 29 datum, as well as calculation/determination of previous local datum to NAVD 88. Provided digital base mapping and reports to the Prime Contractor.

Minisceongo Creek Topographic and Boundary Survey, Village of West Haverstraw, NY: Project scope consisted of preparation of topographic modeling of approximately 2,000 LF of stream channel, including bed, side slopes, and gabion walls for design mitigation of storm damage as part of the Minisceongo Creek Nor'easter repair project. Determined perimeter boundary, easement research and plotting/resolution, and established survey baseline for future work.

Bronx River Pathway, Westchester County, NY: Provided topographic survey of a proposed "link up" section of the Pathway to enhance and extend existing base mapping. Survey included locating and tying into previous baseline, GPS verification that x, y, z data was in NYS state plane eastern zone/NGVD 29, and location of wetland delineation using GPS methods. Data was subsequently merged with earlier digital mapping.

Rehabilitation of North Broadway from Main Street to North Castle Line, City of White Plains, NY: This project scope consisted of providing a linear topographical survey for approximately 1½ miles highway corridor. Survey involved coordination with the prime contractor and County to produce mapping integrated with the County GIS, showing all surface

utilities, signage, striping, traffic control pads, and sections/profiles at all intersecting streets and driveways. A GPS static and RTK control run was done to establish x, y, z control in NYS State Plane and NAVD 88. Also provided digital mapping, including creation of 3D triangulated DTM models for the client's use for design purposes in AutoCAD Civil 3D.

Highway Runoff Mitigation at Various Locations in Nassau and Suffolk Counties, Long Island, NY: Design survey and mapping of 14 locations in Nassau and Suffolk Counties along various state highways in conjunction with a highway runoff mitigation project. Scope included topography, location of underground and above ground utilities, tie-in to existing vertical and horizontal control, and prepared base mapping in conformance with NYSDOT standards and procedures in MicroStation/Inroads format.

Replacement of Overhead Sign Structures at Various Locations, New York, NY: Design survey and mapping for 40 overhead highway sign structures at various locations in right-of-ways of major highways in Manhattan, Staten Island, Bronx, Queens, and Brooklyn. Located specified sign structures, set horizontal and vertical control, tie-into and blend topography, and utility structures to existing DOT mapping and/or provided new base mapping in MicroStation/Inroads format in conformance to NYSDOT standards and procedures.

York College Survey for DASNY, Queens, NY: Topographic and boundary survey for drainage mitigation study. Recovered and tied into previously set vertical and horizontal control, surveyed buildings, right-of-way and all utilities; blended new contours and all physical features in the study area with existing mapping in NYS SPC (Long Island Zone-NAD 83) and NAVD 88 datum.

Resident Engineering Inspection Services for the Citywide Emergency Road Repairs for NYCDDC, New York, NY: Provided design surveying, mapping, and construction stakeout services for Carlton Avenue between Myrtle Avenue and Park Avenue, and Cropsey Avenue and 14th Avenue intersection, Brooklyn; Jewel Avenue between 164th Street and Parsons Boulevard, Queens; and St. George Road, SI.

Right-of-Way, Boundary, and Topographic Survey for Rehabilitation and Replacement of the Greenkill Avenue Bridge for the City of Kingston, NY: Survey consisting of Broadway, Greenkill Avenue, and CSX Railroad ROW's, in addition to adjoining commercial and residential parcels to provide base mapping for design assessment for the rehabilitation and replacement of a dual purpose street and railroad bridge over Broadway. Networked GPS observations performed to establish SPC coordinates and on-site benchmarks in NAVD 88 datum. Research, recovery of monumentation, and resolution of railroad and private parcels and easements of record. MicroStation/Inroads software utilized to provide digital mapping and DTM. Archival as-built utility mapping, as well as location of on-site markout incorporated into base mapping.

NYCSCA Survey Requirements Contract C000011699, New York, NY: Provided on-call topographic, vault, and boundary survey services for various NYC School Construction Authority projects.

Joseph E. Paggi, Jr., P.E.

KC QA/QC Officer

Education

BS, Civil Engineering, Manhattan College, 1972

Licenses & Certifications

Professional Engineer:

NY #055674,

MA

Summary

With over 40 years of experience in the industry, Mr. Paggi's expertise encompasses all aspects of municipal engineering. His qualifications and experience include design engineering for public works type projects and facilities including water, wastewater, storm water, drainage reports and improvements, bridges, parking facilities, and other transportation related improvements.

Relevant Project Experience

North Mesier Avenue Road Reconstruction Project, Village of Wappingers Falls, NY: The Village of Wappingers Falls received a grant of $600,000 from the NYSDOT to rebuild North Mesier Avenue, the connecting road between Main Street and Route 9. In conjunction with the NYSDOT grant, the Village replaced the existing sanitary sewer collection system and water distribution system under the road, as they were in excess of 100 years old, while rebuilding the roadway. Mr. Paggi prepared the Map, Plan, and Report and designed the Contract Documents and Specification for the combined project. The project was designed in accordance with NYSDOT Specifications, let to bid in February 2014, and awarded in April 2014 in the amount of $1,068,000 with a construction completion date of October 2014. **(2014)**

Clean Water State Revolving Fund (CWSRF), Village of Wappingers Falls, NY: Mr. Paggi prepared the Map, Plan, and Report for the Village of Wappingers Falls to secure a hardship loan from the Clean Water State Revolving Fund section of the Environmental Facilities Corporation in the amount of $14,800,000. This project includes the rebuilding of 14 streets, including sanitary sewer collection mains and laterals, and rebuild of the aerators and sludge drying facilities at the Tri-Municipal Sewer Plant. The scheduled completion date is calendar year 2017-2018.

Village of Wappingers Falls Water Treatment Plant, NY: Design and project inspection of 1.0 MGD Water Treatment Plant. The water treatment plant replaced an aging plant and was designed to provide for the Village's future water needs. Because of their location adjacent to Wappinger Lake, the existing wells were subject to iron and manganese fouling. A groundwater study was completed to site new wells that would minimize the potential for iron and manganese problems and alleviate the need to provide treatment for these metals at the facility. **(Construction Cost: $5.6M, 2011)**

KC QA/QC Officer

Delavergne Avenue, Village of Wappingers Falls, NY: Design and project inspection of road reconstruction project. **(Construction Cost: $500,000, 2011)**

Route 9D Sewer and Water Plant, Village of Wappingers Falls, NY: Construction Cost: $95,000.

Salisbury Turnpike, Town of Milan, NY: Design and project inspection of bridge replacement. **(Construction Cost: $450,000, 2011)**

Pink Lane, Town of Milan, NY: Design and project inspection of bridge replacement. **(Construction Cost: $350,000, 2008)**

Wappinger Sewer Treatment Improvement Area, Phase I & II, Town of Wappinger, NY: Construction of sanitary sewer trunk lines and expansion of treatment plant to 1 MGD capacity. **(Construction Cost: $17M, 1995)**

Wappinger Sewer Treatment Improvement Area, Phase 3A, Town of Wappinger, NY: Construction of trunk lines, lateral lines, and expansion of treatment plant to 0.375 MGD capacity. Completion of Map, Plan, and Report for submission to the Department of Audit and Control and presentation at Public Hearings. **(Construction Cost: $24M, 2000)**

Wappinger Water Improvement 99-2R, Town of Wappinger, NY: Design and construction of various water improvements. Completion of Map, Plan, and Report for submission to the Department of Audit and Control and presentation at Public Hearings. **(Construction Cost: $8.59M, 2005)**

Rockingham Pump Station, Town of Wappinger, NY: Designed/prepared contract documents, put to bid, supervised the construction of 500,000 GPD, 1,000 GPM Pump Smith and Loveless wet well/dry well pump station. **(Construction Cost: $7.0M)**

Emergency Services Facility, Town of Wappinger, NY: Engineering related services for the construction of an 11,000 S.F. building for the New York State Troopers and Sloper Willen Ambulance. **(Construction Cost: $1.5M)**

Airport Drive Soccer Field, Town of Wappinger, NY: Construction of soccer fields and parking areas. **(Construction Cost: $125,000)**

HONE STRATEGIC, LLC

urban planning & revitalization

JENNIFER SCHWARTZ BERKY, Urban Planner and Historic Preservationist

PROFILE
Highly experienced and resourceful planner, historic preservationist and development advisor for sites, communities and organizations.

PLANNING: Urban and Regional Planning, Economic and Community Development, Policy and Legal Research

- ***Education:*** Masters' degrees from **Columbia University** in Urban Planning and Real Estate Development. UNESCO/ICCROM-trained Historic Preservationist and RESTORE credentials in Masonry Conservation.
- ***Leadership:*** Experienced adviser of developers, municipalities, and organizations on planning and development strategies and projects in urban, rural, and cultural buildings and sites.
- ***Plans and Programs:*** Initiator and co-director of Ulster County's *Main Streets Program*, *Hudson River Valley Greenway Compact*, and *Ulster County Waterfront Plan, Ulster Towmorrow* sustainable economic development plan.
- ***Fundraising and Institutional Development:*** Leader on numerous successful grants and strategic plans.

DESIGN AND CONSTRUCTION: Historic Preservation, Waterfronts, and Commercial District Revitalization

- ***Project Management:*** Team leader on design and construction of over $100 million in restoration and adaptive reuse projects in New York City on prestigious cultural institutions and large commercial structures.
- ***Project Entitlement:*** Adept negotiator with government officials for project approvals.
- ***Feasibility Analysis:*** Evaluator of large historic preservation projects for feasibility and author of historic structures reports.

PUBLIC OUTREACH AND ORGANIZATIONAL DEVELOPMENT: Communications, Public Speaking, Facilitation

- ***Persuasive Communicator:*** Seasoned public speaker to large groups, boards and decision makers
- ***Strategic Planner and Group Facilitator:*** Frequent leader of strategic planning and visioning sessions with decision makers and large stakeholder groups.
- ***Community Relations:*** Diplomatic builder of relationships with leaders and organizations through commitment to ongoing outreach, collaboration, and partnerships.

LANGUAGES: Fluent French, Italian, and Spanish. Extensive international work and residency.

BOARD AND COMMUNITY SERVICE

- *Current:* **NYS Hudson River Valley Greenway, Kingston Historic Landmarks Preservation Commission, Kingston Climate Action Plan Committee, Re>Think Local Hudson Valley, Kingston Land Trust Rail Trail Committee.**
- *Former:* **NYS Open Space Plan, NYS Preservation Plan, Central Catskills Collaborative, Kingston Tidal Flooding Task Force.**

EMPLOYMENT HISTORY

- *Principal*, **Hone Strategic, LLC,** Kingston, NY (Feb. 2012 – Present)
- *Deputy Director,* **Ulster County Planning Department**, Kingston, NY (Sept. 2004 – Aug. 2012)
- *Visiting Lecturer,* **Bard College,** Annandale-on-Hudson, NY (September 2009 – May 2012)
- *Conservation and Local Development Expert,* **The World Bank,** Washington, D.C. (2000-2003);
- *Project Manager,* **Newmark Construction Services,** New York, NY (1988-1990) and (1996-1998)
- *Project Manager,* **NYC Dept. of General Services Cultural Institutions,** New York, NY (1990-93)
- *Preservation and Development Consultant (selected examples):* **Urban Institute** (2001-2002); **Tourconsult International,** Rome, Italy (1999-2001); **University of Rome** (1998-1999); **TAMS Consultants/U.S. Navy** (1996); **NYC Dept. of Cultural Affairs** (1994); **NY Landmarks Conservancy** (1990); **World Monuments Fund** (1990)

EDUCATION

- **Columbia University Graduate School of Architecture, Planning & Preservation**, New York, NY.
  Master of Philosophy, Urban Planning (2004) and *Master of Science*, Real Estate Development (1993).
- **International Centre for the Study of Preservation & Restoration of Cultural Property**, Rome, Italy.
  U.S. Delegate, UNESCO international conservation and sustainable development program (1999).
- **RESTORE** Program in Architectural Conservation, Masonry Conservation Specialization (1991), New York, NY.
- **Pratt Institute, School of Architecture**, Brooklyn, NY. *NYC Mayor's Scholar,* Planning and Architecture.
- **State University of New York at Stony Brook**, Stony Brook, NY. *Bachelor of Arts*, Art History (1986).

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Project Understanding

In recent years, the City of Kingston has enthusiastically pursued a vision of a connected community. These efforts have resulted in several State and Federal grants for the Kingston Connectivity Project, which envisions an interconnected, multi-modal cityscape with Complete Streets and the Greenline – a network of trails on repurposed rail beds converging in Midtown Kingston as a hub of an extensive regional trails system.

The City government has undertaken a number of initiatives, including the Connectivity Project, to support Kingston's social, environmental, and economic fabric through strategic initiatives and partnerships in business, arts, education and technology. The development of connectivity through trails and Complete Streets and is a critical aspect of livability, public health and "complete communities."

In addition to our technical expertise, our team understands the goals Kingston has laid out for itself as a safe, accessible, livable, interconnected city. We consider the understanding of a community's vision, principles, and goals to be the foundation of our design and engineering services.

The Kingston Point Rail Trail as an Artery – The first trail to be implemented in the Greenline network represents a significant opportunity to become a model for connectivity for trails and streets throughout the city. Not only do trails provide connections, they also become the lifeblood of communities. Each place where they intersect streets, nodes, and public spaces, they become opportunities for transformation, landscape restoration, and economic development. The character of Kingston's neighborhoods is so varied – from the more urbanized, dense area Midtown Kingston, where there are fewer recreational opportunities, through the residential sections of Delaware Avenue and Ponckhockie, to the entertainment, waterfront and recreational venues. A well-planned trail will take each of these characteristics into account.

Trails as a Catalyst for Revitalization - Trails have become a primary driver of economic development. The KPRT branch of the Greenline will connect Midtown, its neighborhoods, businesses, and institutions, with the Rondout, and Ponckhockie and provide access to residential neighborhoods, shopping, entertainment, and recreation. The economic revitalization of Kingston's downtown Rondout area can make better connections to the recreational benefits of the trail, as well as the future cultural district in Kingston. These destinations, the businesses, residents, and various places along the way will all benefit from a well-designed and engineered trail and stimulate mixed use economic development and investment in Midtown and Downtown.

Trails as Placemaking - Trails play an important role in making cities more livable places. The destinations, bringing people into the Midtown Hub or out to waterfront restaurants and the beach, as well as the many nodes and points along the way, are opportunities for "Placemaking" – creating public spaces that promote well-being. Our experience with the design of public spaces offers significant advantages for this project.

Design and Engineering for Multi-Modal Solutions – The connections to Broadway, the Strand, Delaware Avenue, North Street, and the surrounding neighborhoods in Midtown and the Rondout and Ponck Saratoga Team has extensive experience with urban design, green infrastructure, parks and trail design, and heritage resources. In coordinating with the Complete Streets design and construction of Broadway, we would be sure to consider the various goals of the Kingston Comprehensive Plan and recommendations of the other plans and projects underway. Our team is very familiar with these, including the Ulster County Transportation Council's "Bringing Back Broadway," the "Hudson Riverport," and the Midtown cultural district and "BEAT" initiative (to name a few), as well as the many previous

waterfront plans and studies (e.g., the LWRP, LWRIP, and the Tidal Waterfront Flooding Task Force). In addition, we have extensive knowledge of the New York State and Federal design, engineering, and permitting requirements associated with waterfronts, trails, Complete Streets, and multi-modal projects.

Collaborative Planning and Design - The Saratoga Team is keenly aware of the issues related community and neighborhood stakeholders in the design and implementation of trails. We will work cooperatively with Kingston's professional staff, officials and residents to provide trail planning and design that addresses aesthetic, engineering, safety, user experience, and neighbor concerns, and thoroughly evaluate options to arrive at the best alternative. We understand that public support is vitally important to the successful planning of this project and we look forward to any required public information meetings to address the concerns of the community. We have significant experience in facilitating public forums and work sessions designed to solicit meaningful public information to enhance the planning and design process.

Site and Local Knowledge – Two of our team members, KC Engineering and Land Surveying, PC and Hone Strategic, LLC, have detailed local knowledge of the Kingston Point Rail Trail. As area residents and active volunteers with the Kingston Land Trust's Rail Trail Committee and other local organizations, both Nancy Clark and Jennifer Schwartz Berky have dedicated many hours to the planning, advocacy, and clean-ups associated with bringing the Greenline initiative forward. Their understanding of the stakeholders, physical issues associated with the route, and their knowledge of the community add extraordinary value to the Saratoga Team.

Nancy Clark of KC Engineering (third from left) and Jennifer Schwartz Berky of Hone Strategic (second from right) at KPRT clean-up day

Berky, in her former capacity as Deputy Director of Planning for Ulster County and as a member of several local boards and commissions, is familiar with every plan and policy associated with the City and has played an instrumental role advising and shaping many of these efforts.

Project Approach

We understand that the RFP seeks to complete site analysis, schematic design, design development and construction documents to fully develop surface street and rail trail improvements connecting the Midtown Kingston neighborhoods with the Rondout and Hudson River waterfront districts. We also understand that the available budget to complete these improvements is limited to $1,615,000. While this is a substantial budget, at this early stage it is not certain this amount will fully fund all desired improvements. Therefore, our proposal is structured to provide site analysis, schematic design and design development which explores all reasonable opportunities for full build-out consistent with the broad objectives of the City, Grantors and stakeholders. However certain tasks, including site survey, final design and construction documents take a more incremental approach so that the allocation of resources may focus on priority development areas. For the purpose of this proposal we assume development of the Kingston Point Rail Trail is the first priority. Complete Streets improvements in trailhead neighborhoods, although important is the second priority.

The following project approach is organized to individually address overall project management assignments as well as specific tasks associated with the design and engineering services for the Kingston Connectivity Project.

Task 1 – Project Advisory Committee

The purpose of the Project Advisory Committee is to oversee all aspects of the project in cooperation with municipal officials and the Consultant. The Project Advisory Committee should include representatives of Grantors, key planning agencies, and non-governmental agencies (NGOs) with direct association with, or jurisdiction over, the design and engineering of streetscape and rail trail improvements. We recommend the Advisory Committee be limited to five or six members (excluding municipal officials) so that project review and recommendations can be completed in a coordinated and expeditious manner. Extensive public outreach has been incorporated into the various planning initiatives leading to the securing of grant funding for this design and engineering plan. Stakeholder groups and the general public will be provided the opportunity to review alternative design concepts and further contribute during the Public Information Meeting (Task 4).

Hone works directly with numerous planning agencies and NGOs in the City of Kingston and will be valuable recommending, in conjunction with the City, members for the Advisory Committee.

Task 1 Assumptions:

- The Project Advisory Committee will be selected by the City with input from the Consultant.
- The Project Advisory Committee will make recommendations and review the Consultant's work in a coordinated and timely manner.

Task 1 Deliverable:

The Consultant will recommend Project Advisory Committee members to the City and Grantors for final selection.

Task 2 – Project Kick-Off Meeting

Prior to initiating project tasks, the Saratoga Team will meet with the City, Grantors, project partners, and any other appropriate entities. Key Team personnel will participate in the project initiation meeting. Discussions will include (but not be limited to) the following:

- Project goals, objectives, concerns, and challenges;
- Project scope, schedule, and deliverables;

- Project construction budget;
- State Environmental Quality review (SEQR) process and other permitting requirements;
- Number of public meetings;
- Identification of other relevant information; and
- Composition of project advisory committee.

Task 2 Assumptions:

- One (1) kickoff meeting will be held at a location identified and arranged by the City.
- The project goals, tasks and number of meetings discussed at the project kick-off meeting will be generally consistent with the scope as outlined below. Additional or expanded scope items may not be able to be accommodated within the available fee structure of this project.

Task 2 Deliverable:

The Consultant will prepare a brief meeting summary documenting agreements/understandings reached at the meeting.

Task 3A – Inventory and Analysis (Site Reconnaissance)

This task has two interrelated components; site inventory of relevant existing conditions and planning objectives within the targeted Midtown Kingston, KPRT corridor and Rondout and Hudson River waterfront districts, and base mapping and survey information of these areas suitable for use in schematic design (Task 3B), design development (Task 7) and construction documents (Task 8).

Site Inventory

An inventory of relevant existing conditions and planning objectives within the targeted Midtown Kingston, KPRT corridor and Rondout and Hudson River waterfront districts will be prepared. The inventory will include, but not necessarily be limited to:

- Land and water use conditions;
- Local zoning regulations;
- Historic and archeological resources;
- Natural resources;
  - Wetlands;
  - Floodplains;
  - Topography;
  - Hydrology;
  - Existing mature trees;
- View Corridors; and
- Transportation/circulation systems (truck, car, bus ferry, train, pedestrian, bicycle, etc).

All relevant planning documents will be reviewed to identify key goals, objectives and strategies for integrating the KPRT into the community.

Site inventory data will be acquired from publically available data sources and prior studies such as NYSDEC environmental resource mapping, NYSDEC and ACOE wetland, FEMA floodplain, Ulster County soils, area zoning designations, tax maps, and historical resource mapping and inventories. The project team will also walk the study corridor to identify and document unique or important features which will guide preparation of schematic design alternatives (Task 3B). Specific consideration will be given to the design and engineering challenges posed by the existing Livingston Street/Delaware Avenue Tunnel, the Route 9W Railroad Bridge and the railroads bridges adjacent to Rondout Gardens.

The Saratoga team is highly familiar with the designated project limits, as well as the Kingston Greenline Conceptual Plan and Kingston Point Rail Trail (KPRT) Feasibility Study. Members of the Saratoga team have a working knowledge of the prior studies referenced within the RFP.

Base Map and Survey

Boundary Survey: Property boundary information will be compiled from existing data sources including the Brinnier and Larios boundary survey previously prepared for the KPRT (as specified in RFP Addendum#1), real property tax maps and other data sources as may be provided by the City of Kingston, Ulster County and other Grantors and interested agencies.

Topographic Survey: Topographic information will be compiled from existing data sources including LIDAR 2-foot contour data (as specified in RFP Addendum #1) and other publically available data sources and as may be provided by the City of Kingston, Ulster County and other Grantors and interested agencies.

Manmade Structures inventory: Inventory of manmade structures, including, but not limited to, buildings, facilities on or adjacent to the Project site(s), above and below ground infrastructure and other built features will be limited to information that can be directly provided by the City of Kingston, Ulster County and other Grantors and interested agencies. Detailed survey of such features cannot be readily accommodated within the current fee structure of this proposal.

Field Work: Target field surveys will be completed to clarify road crossings, existing Livingston Street/Delaware Avenue Tunnel, and existing drainage problem areas. KPRT centerline shots will be mapped at 50 foot to 100 foot interval to confirm grade datum. The survey will utilize NAVD1988 datum. Field survey crew for this municipal project will be subject to prevailing wage rates.

It is possible that the available construction budget may be insufficient to construct all components of the Kingston Connectivity Project as defined in the RFP. In the event the available construction budget is not sufficient to develop all project components we anticipate construction of the KPRT will be the first priority. Therefore, field survey work proposed for Task 3A will focus on the alignment, grades and infrastructure of the existing KPRT corridor. Additional field survey work that may be necessary for preparation of construction documents in the surface streets of Midtown Kingston, the Rondout and Hudson River waterfront areas may be added following Task 7 Draft Final Design as the design and construction budgets allow.

The intent Task 3A is to field survey only what is needed and maintain as much of the funds possible for construction improvements. Much of the work area will be designed based on available information, and performance specifications will be provided to describe the work.

Assumptions:

- Except for facilities visible from the ground surface or mapped underground utilities, underground utility markout and survey is not included.
- Brinnier and Larios boundary survey data for the KPRT and LIDAR 2-foot contour data is available will be provided in AutoCAD format.
- Site improvement work is proposed within City of Kingston lands, City of Kingston road right-of-way, and NYSDOT road right-of-way. Such boundary information is available in AutoCAD or compatible format. Ownership/grant/lease status of all lands to be incorporated into the design will be confirmed by the City of Kingston. Boundary, topography, existing structures and utility survey data will be compiled from available City of Kingston or other public sources.
- It is understood that the City of Kingston has had the railroad ties removed from the ground, and that the ties will be removed from the site. Environmental soils analysis is not included.

- It is understood that the existing KPRT has been cleaned up and cleared. Significant trees are not anticipated. Individual trees will not be mapped.

Task 3A Deliverables:

Maps and written summary of the inventory and analysis of constraints, needs, and opportunities which will guide the schematic design will be provided as identified during the project kick-off meeting. All mapping will be completed in AutoCAD and/or Arc GIS formats.

Task 3B – Schematic Designs

The Schematic Design process will build upon previous planning and design studies prepared for the project area, including those that directly influence the connectivity and non-motorized transportation objectives of the project. The Saratoga Team will utilize the technical and planning data acquired during Site Reconnaissance (Task 3A). This process will evaluate opportunities and challenges presented by existing conditions, and further evaluate desired programming and development opportunities that may be accomplished within the available construction budget.

This task will focus on broad concepts of Complete Streets principals to assess how multi-modal connections may be routed and designed to better connect desired neighborhoods and destinations, enhance multi-modal access, improve streetscape aesthetics, and revitalize business opportunities in districts at either end and along the Kingston Point Rail Trail.

Routing and design alternatives will consider multi-modal connections to bring existing regional trail systems to the Midtown Hub and create walkable connections along the Rondout Waterfront via East Strand and North Street to Kingston Point Park, the Hudson River, and out to the mile-long Promenade being developed at Hudson Landing.

Three distinctly different schematic designs will be prepared illustrating primary routing and amenity options. These schematic plans will incorporate the seven project components outlined in the RFP (page 7). Alternatives will consider circulation patterns, opportunity areas, social, residential, and business nodes, and culturally relevant sites. Design vocabulary will be identified to suggest aesthetic themes that uniquely express the historic and cultural character of the City of Kingston.

Concept level consideration will be given to the Complete Streets design principles including, but not limited to, sidewalks, bike lanes (or wide paved shoulders), special bus lanes, comfortable and accessible public transportation stops, frequent and safe ADA compliant crossing, median islands, accessible pedestrian signals, curb extensions, and narrower travel lanes. Other streetscape and trail amenities to be considered include benches, decorative pavement, and signage consistent with guidelines in the approved planning initiatives.

Design of the 1½ mile Kingston Point Rail Trail (KPRT) will be consistent with the recommendations of the Kingston Point Rail Trail Feasibility Study, Kingston Greenline Conceptual Plan, Local Waterfront Revitalization Implementation Plan, and other applicable planning documents. Alternative trail surfacing and engineering improvements for the Kingston Point Rail Trail will also be provided.

We understand the goal of this task is to generate ideas and identify opportunities and constraints to implementation and function. This process is an integral part of the project that will communicate a unique aesthetic character and establish a feasible plan for pedestrian oriented recreation and non-motorized circulation. This task will provide an opportunity for the Saratoga Team to further refine the desired program and alignment of the project, as well as identify any particular areas that may require a more detailed assessment.

Task 3B Deliverables:

Three (3) alternative schematic designs will be developed in a highly graphic, color rendered format and will be prepared by hand and with computer software suitable for public presentation and discussion at the Public Meeting (Task 4). The opportunities and limitations of alternative routing and design concepts will be summarized in matrix format.

One (1) draft of the alternative schematic designs will be submitted to the City, Grantors, and Project Advisory Committee in advance of the Public Meeting for review and comment.

Task 4 – Public Information Meeting

The Saratoga Team recognizes that public participation is perhaps the most important project task. Direct engagement by stakeholders and the general public creates a better understanding of the plan, and expands "buy-in" into the planning process and ultimately into implementation. Because the Kingston Connectivity Project is the implementation of previously approved planning initiatives that included significant public participation, the Advisory Committee will serve as the direct representative of stakeholder interests. However, in order to assure greater understanding, acceptance, and advocacy for the project by the public, the Saratoga Team would work with the City and the key stakeholders to generate broader public outreach, including the use of social media to general "buzz," leading to and for the public meeting so as to create an engaging, successful event.

Following the completion of the Schematic Design (Task 3B) a public information meeting will be conducted to solicit public input to assist in refining the preferred alternative. Hone will develop a presentation format and lead the public discussion to fully engage stakeholders and citizens.

Task 4 Assumptions:

One (1) public meeting will be held at a location identified and arranged by the City.

Task 4 Deliverable:

A brief meeting summary documenting substantive discussion and comments made at the public meeting will be prepared and distributed to all project partners.

Task 5 – Construction Requirement Analysis

The Saratoga team will prepare an analysis of Federal, State, and Local trail and Complete Streets design guidance for the selected schematic design alternative. The design guidance will include, but not be limited to:

- The latest NYSDOT Standards and specifications;
- AASHTO Standards and Guides;
- NYS Office of Parks and Historic Preservation Standards and Guides for Trails in NYS Parks;
- United States Access Board Draft Accessibility Guidelines for Outdoor Developed Areas;
- National Center on Accessibility National Trail Surfaces Study;
- Manual of Uniform Traffic Control Devices, FHWA, and NYS Supplement;
- Trail Signage Guidelines;
- NYSDEC storm water management, sediment, and erosion control requirements;
- NYSDOT review and approval for portions of the work within the NYSDOT right-of-way; and
- Identify necessary Local and State permits and approvals.

Task 5 Assumptions:

- City of Kingston Site Plan Approval will not be required; however, the project will be submitted to the Planning Board as a courtesy.

- Written summary of the relevant construction guidelines and the required permits and approvals will be revised per review by others. One (1) round of minor revisions is anticipated.
- Up to one (1) pre-permitting meeting will be completed to assist with the later permitting process.

Task 5 Deliverables:

Written summary of the relevant construction guidelines and the required permits and approvals will be provided. Up to one (1) pre-permitting meeting will be completed to assist with the later permitting process.

Task 6 – Environmental Quality Review

The Saratoga Team will collaborate with the City of Kingston to prepare documents necessary to comply with NEPA and SEQRA through determination of significance. Preparation of a long form EAF with minor narrative is anticipated.

Task 6 Assumptions:

- An Environmental Impact Statement will not be required.
- The long form EAF and narrative will be revised per review by others. One (1) round of minor revisions is anticipated.

Task 6 Deliverables:

Site improvements are proposed within previously developed lands; therefore, a long form EAF with minor narrative will be provided.

Task 7 – Design Development (Draft Final Design)

The Final Draft Design will serve as a master plan that will be used to guide Final Design and Construction Documents (Task 8).

Based on our experience, it is likely that the preferred schematic design will share elements of the three distinct alternatives (Task 3B). The Saratoga Team will develop a preferred Draft Final Design based on input the City of Kingston, Grantors, and Project Advisory Committee as well as direction gained at the Public Information Meeting (Task 4).

The plan will illustrate, with a high level of technical detail, specification, and design, the preferred concept, materials, and furnishings confirmed during previous tasks.

The Draft Final Design will include the following three basic components:

a) Kingston Point Rail Trail Design – For the KPRT portion of the study area the Draft final design will focus on trail engineering, treatment of underpass/overpass structures, trail surfaces, signage, ADA compliance, trailheads and other interface with local streets.

b) Complete Street Neighborhood Design – For the Midtown Kingston and Rondout and Hudson River waterfront neighborhood portions of the study area the Draft Final Design will identify specific roadways for Complete Streets enhancements. The plans will distill common design principles and suggest a unified design vocabulary that uniquely expresses the City of Kingston. Focus will be placed on but not limited to sidewalks, bike lanes (or wide paved shoulders), special bus lanes, safe and accessible public transportation stops, ADA compliant crossings, median islands, accessible pedestrian signals, curb extensions, and narrower travel lanes. Design

and engineering standards including visually compatible streetscape amenities, signage, materials, pavement, and trail surfaces will be established.

c) Cost Estimate - An order of magnitude cost estimate will be provided to establish a realistic construction budget to be used in the preparation of the Final Design and Construction Documents (Task 8). The cost estimate will be broken down to include specific construction segments including, but not necessarily limited to Midtown Kingston Complete Streets segment, Kingston Point Rail Trail segment, Rondout Complete Streets segment, and Rondout and Hudson River waterfront segments. The purpose of this breakdown is to identify priority development areas if the overall construction budget is found to exceed available project funding.

Task 7 Assumptions:

- The City, Grantors and Project Advisory Committee with review and approve the order of magnitude cost estimate. The scope of construction documents will be based on approved elements of the Draft Final Design that can realistically be accommodated within the available construction budget.
- Review and approval of the Draft Final Design by the City Grantors, and Project Advisory committee will be completed in a timely manner to maintain project schedule.

Task 7 Deliverable:

The Draft Final Design will be developed in a highly graphic, color rendered format and will be prepared by hand and with computer software suitable for use as a master plan and design guideline in the development of Construction Documents (Task 8). The Draft Final Design will include maps, tables, data, written discussions, and other information identified in the contract and subcontract work plans and during the project kick-off meeting.

The Draft Final Design will be provided to the City, Grantors, and the project advisory committee for review at least two (2) weeks prior to the due date for comments.

One (1) meeting will be held with the City, Grantors, and the Project Advisory Committee to determine the direction for the Draft Final Design, including our analysis of conditions, design considerations, and the permitting framework. The Draft will be organized to clearly articulate the design process and will allow the City to understand the goals of the project, proposed design, known areas of concern, and the preferred approach.

Task 8 – Final Design and Construction Documents

Final design plans, construction technical specifications, and engineer's construction estimate will be prepared for the project areas that suits the RFP stated available project budget. Understanding the available budget and the related project components, it is anticipated that much of the construction work will be related to the development of the KPRT.

Final design will advance based on the results of the completed Draft Final Design (Task 7) including comments received from City Officials and the Project Advisory Committee.

Mapping prepared in Site inventory and Analysis (Task 3A) will be used as base map for design. As stated in Task 3A, the intent is to survey only what is needed and maintain as much of the funds possible for construction improvements. Much of the work area will be designed based on available information, and performance specifications will be provided to describe the work.

Design plans will include:

- Trail plan;
- Trail profile;
- Trail construction, road crossing, site amenities, signage, storm water management, sediment, and erosion control details and notes;
- Decking replacement details and notes as applicable;
- Tunnel modification design, details, and notes as applicable; and
- Site lighting, such as in the tunnel, details, and notes.

The design will be completed in conformance with the standards, specifications, and guidelines referenced in Task 5 Construction Requirement Analysis.

Final design plans and construction documents will be submitted to the City of Kingston, the grantors, and the project advisory committee, as directed, for review and comment. The final design plans and construction documents will be revised based on coordinated comments received.

The final design and construction documents will be signed and sealed by the licensed professional engineer or landscape architect responsible for the design.

Task 8 Assumptions:

- As noted in Task 3A Site Reconnaissance and Mapping, base mapping for detailed design will be based on a compilation of boundary, topography, existing structure and utility survey data as it is presently available from the City of Kingston and other public sources, plus additional field survey as described within Task 3A;
- Detailed design will be completed as noted in Task 8 Final Design and Construction Documents.
- Technical specifications will be prepared;
- Contractual upfront specifications will be provided by the City of Kingston per their customary format;
- Engineer opinion of probable construction cost will be estimated and prepared; and
- The final design plans, construction technical specifications, and engineer's construction estimate will be revised per review by others. Up to two (2) rounds of minor revisions are anticipated for Task 8 and Task 10 together.

Task 8 Deliverables:

Final design plans, construction technical specifications, and engineer's construction estimate will be prepared for the project areas as noted in Task 8. The final design and construction documents will be signed and sealed by the licensed professional engineer or landscape architect responsible for the design.

Task 9 – Site Control Land Acquisition/Easement

Task 9 Site Control Land Acquisition/Easement will be pursued in conjunction with Task 3A Site Analysis.

As stated in Task 3A, we understand that Brinnier and Larios has previously completed boundary survey for the KPRT, which has confirmed City of Kingston ownership of the site. According to RFP Addenda #1 for this project, the available mapping will be provided from the City of Kingston to the selected consultant in AutoCAD format.

It is further understood that site improvement work is proposed within City of Kingston lands, City of Kingston road right-of-way, and NYSDOT road right-of-way.

As is noted in Task 8 Final Design and Construction Documents, final design, construction technical specifications, and engineer's construction estimates will be prepared for the project areas, which suits the RFP stated available project budget. Understanding the available budget and the related project components, it is anticipated that much of the construction work will be related to development of the KPRT. The limit of detailed design will be determined after the Task 3B Schematic Design review. During the early part of Task 7 Draft Final Design task, small additional areas might also be field surveyed if/as available budget remains within the estimating.

To better preserve available project funds for construction improvements, it is assumed that those small additional areas will also be within City of Kingston owned lands.

Task 9 Assumptions:

- Task 9 Site Control Land Acquisition / Easement will be pursued in conjunction with Task 3A Site Reconnaissance and Mapping.
- Site improvement work is proposed within City of Kingston lands, City of Kingston road right-of-way, and NYSDOT road right-of-way.
- Significant deed research is not anticipated or included.
- Boundary survey is not anticipated or included.
- Land acquisition is not anticipated or included.
- The preparation of a minimal number and area of easement can be accommodated.

Task 9 Deliverables:

Maps and a written summary describing the Task 3A and Task 9 information will be provided.

Task 10 – Permits

It is anticipated that the grantors will review and approve the Final Design prepared within Task 8. After that, the Saratoga Team will pursue the necessary Local and State permits and approvals.
NYSDEC does not require a full Storm Water Pollution Prevention Plan, only an Erosion and Sediment Control Plan during construction for trails. Storm water infiltration is not specifically required, but will be pro-actively considered for the project. The City of Kingston has been designated as an MS4 community and has jurisdiction over these NYSDEC requirements.

The proposed site improvements are proposed within previously developed lands. Wetland and other ecological permitting is not anticipated.

NYSDOT review and approval is needed for portions of the work within the NYSDOT right-of-way.

The design will be completed in conformance with flood zone and waterfront requirements as applicable.

Task 10 Assumptions:

- The proposed site improvements are proposed within previously developed lands.
- City of Kingston Site Plan Approval will not be required; however, the project will be submitted to the Planning Board as a courtesy.
- NYSDOT review and approval is needed for portions of the work within the NYSDOT right-of-way.
- Drainage analysis calculations and the preparation of a Storm Water Pollution Prevention Plan and Report are not required or included. Storm water infiltration is not specifically required, but will be proactively considered for the project.
- Wetland and other ecological permitting is not anticipated or included.

- Cultural resource investigations and/or permitting is not anticipated or included.
- NYS and Ulster County Department of Health review and approval is not anticipated or included.
- The design will be completed in conformance with flood zone and waterfront requirements as applicable. Given the nature of the improvements, extensive permitting for same is not anticipated or included.
- Permits will be pursued during Task 8 Final Design to allow coordination of revision to preserve budget.
- Letter response to review comments will be provided. Up to two (2) rounds of responses is anticipated. Revisions are included in Task 8 Final Design.

Task 10 Deliverables:

Copies of the required permits and approvals will be provided.

Task 11 – M/WBE Quarterly Reports

Team member KC Engineering and Land Surveying, P.C. (KC) is a New York State certified DBE/MBE. To meet grant requirements and as evidence of the progress made toward achievement of the Minority and Women-owned Business Enterprise (MWBE) Goal(s), The Saratoga Team will prepare and submit a M/WBE Quarterly Report (every March 31, June 30, September 30, and December 31) for each state-certified M/WBE.

Task 11 Deliverables:

Quarterly M/WBE reports will be submitted to Grantors during the life of the contract.

Task 12 – Project Status Reports

The City shall submit project status reports semi-annually (every June 30 and December 31), including a description of the work accomplished, the status of all tasks in this work plan, schedule of completion of remaining tasks, and an explanation of any problems encountered. The Saratoga Team will provide information as may be requested to enable the City to complete this task.

Task 12 Assumptions:

The City of Kingston will be responsible for preparation and submission of Project Status Reports.

Task 12 Deliverables:

Information as may be requested to enable the City to prepare and submit the Project Status Report.

Task 13 – Final Project Summary Report and Measurable Results Forms

The City and the Consultant shall work with the Grantors to complete the Final Project Summary reports and other required forms.

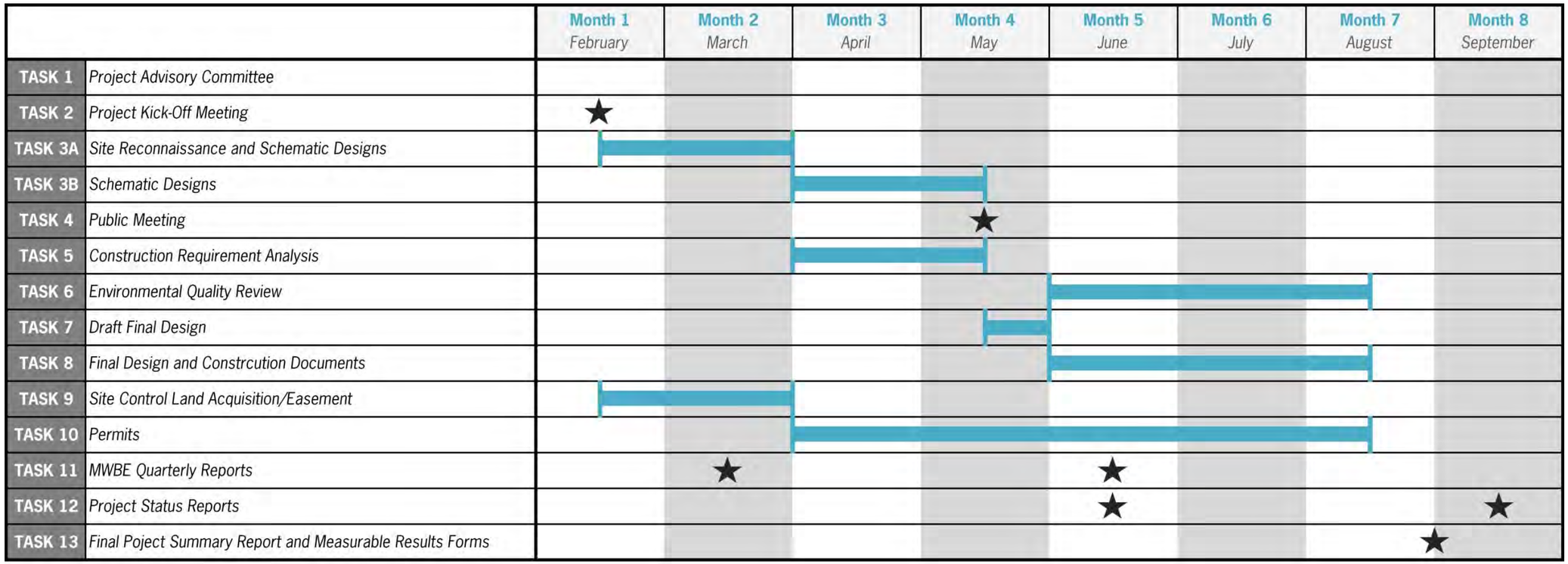
Task 13 Assumptions:

The grantors and the City of Kingston will be responsible for preparation and submission of Project Summary Report and Measurable Results Forms.

Task 13 Deliverables:

Information as may be requested to enable the Grantors and City to prepare and submit the Project Summary Report and Measurable Results Forms.

We propose to provide the services defined above within the City of Kingston target schedule of February 18, 2015 through August 14, 2015.



Legend:

Project Phase Duration

Major Meetings

FRANKLIN AVENUE BEAUTIFICATION

Incorporated Village of Garden City, Garden City, New York

Creating compelling destinations | Enriching communities | Safeguarding special places. *www.saratogaassociates.com*

This streetscape project concentrated on restoring the ambiance once associated with Franklin Avenue — known as the Fifth Avenue of Long Island. By creating a cohesive and appealing identity for this formerly declining, yet once prominent shopping destination, Saratoga Associates* took a major step in refocusing Franklin Avenue as a viable commercial resource within the community and surrounding area.

Leading a team of professionals — whose responsibilities included relocating utilities to accommodate proposed lay by parking, coordinating storefront façade improvements; and developing a site vocabulary of plantings, pavements, custom street signs, street lighting, and site elements and incorporating new vest pocket parks and sitting areas — Saratoga Associates's* landscape design created the desired pedestrian, shopper friendly atmosphere that was the main goal of this major Long Island streetscape improvement. Its success is reflected in the sharp increase in new stores and the substantial amount of new private investment in new businesses and building renovations that have resulted from the project's implementation.

** Completed by William B. Kuhl prior to affiliation with Saratoga Associates.*

PROJECT HIGHLIGHTS

- *> Traffic calming and on-street parking*
- *> Developed streetscape design guidelines*
- *> Crown Community Award from City and County Magazine*
- *> Best and Liveliest Downtown Award from Nassau County Public Officials*
- *> Honor Award from NYS Public Works Association*
- *> Project acted as a catalyst for bringing in over $100 million to date in new investments to the Village*
- *> Reinforced pedestrian linkages*
- *> Received 2004 Smart Growth Award "Vision Long Island for Fostering Communities with a Strong Sence of Place"*

NEW HYDE PARK ROAD

Inc. Village of Garden City, Garden City, New York

Creating compelling destinations | Enriching communities | Safeguarding special places. *www.saratogaassociates.com*

The New Hyde Park Road Business Area is a commercial node that services the immediate residential neighborhood abutting it. It is comprised of small convenience stores, cleaners, drug stores, and restaurants. It is also one of the main gateways into the community. Prior to the implementation of the new streetscape improvements, the area had suffered from a lack of image and identity. This resulted in decreased business and had a negative impact on the surrounding neighborhood. The introduction of a new paving pattern and a series of landscaped areas on each side of New Hyde Park Road helped to ameliorate the presence of the business district along the vehicular corridor, while simultaneously framing and creating a more intimate sense of enclosure between the storefronts and the road. The planting has also been used to define sitting areas with new benches and trash receptacles or other site elements such as bike racks. Incorporated in the planting beds are street trees and turn-of-the-century-style light poles. The combination of all these new site elements and materials has created an exciting streetscape that not only has dramatically improved the business of abutting stores, but has provided the neighborhood with a valued focal point and a delightful "gateway" into the Village of Garden City.

** Completed by William B. Kuhl prior to affiliation with Saratoga Associates.*

PROJECT HIGHLIGHTS

> Improve the economic vitality of local businesses

> Created a more dynamic gateway into the Garden City

> Involved public outreach

> Recieved National Honor Award from NYS ASLA

> Won America's Crown Communities Award, American City & Country Magazine

ROADWAY IMPROVEMENTS FOR FORDHAM ROAD

NYC DDC, Bronx, New York

Creating compelling destinations | Enriching communities | Safeguarding special places. *www.saratogaassociates.com*

Saratoga Associates, as part of the project team led by Weidlinger Associates, was responsible for providing landscape architectural design services for the roadway realignment of Fordham Road in Bronx, NY where it passes between the Wildlife Conservation Society (Bronx Zoo) and the New York Botanic Garden as part of a NYC Dept. of Design and Construction project. This project required full exploration of the best management and sustainable design practices and following the agency's High Performance Infrastructure Guidelines. Saratoga Associates' services included conduct of a comprehensive site assessment, tree inventory, and design of pedestrian pathways and a vegetated roadway median. Work was coordinated through the Mayor's office and was reviewed by NYC Department of Parks, NYC Department of Transportation, The Bronx Quad (a consortium of institutional leaders: Wildlife Conservation Society (Bronx Zoo), New York Botanical Garden, Fordham University, and Montifoire Hospital), and the NYC Design Commission. Saratoga Associates was charged with the design for the protection of existing trees and recommendations for improvements to biodiversity when selecting native plants.

PROJECT HIGHLIGHTS

> Urban Design

> Sustainability

> Interagency Reviews

CLIENT REFERENCE

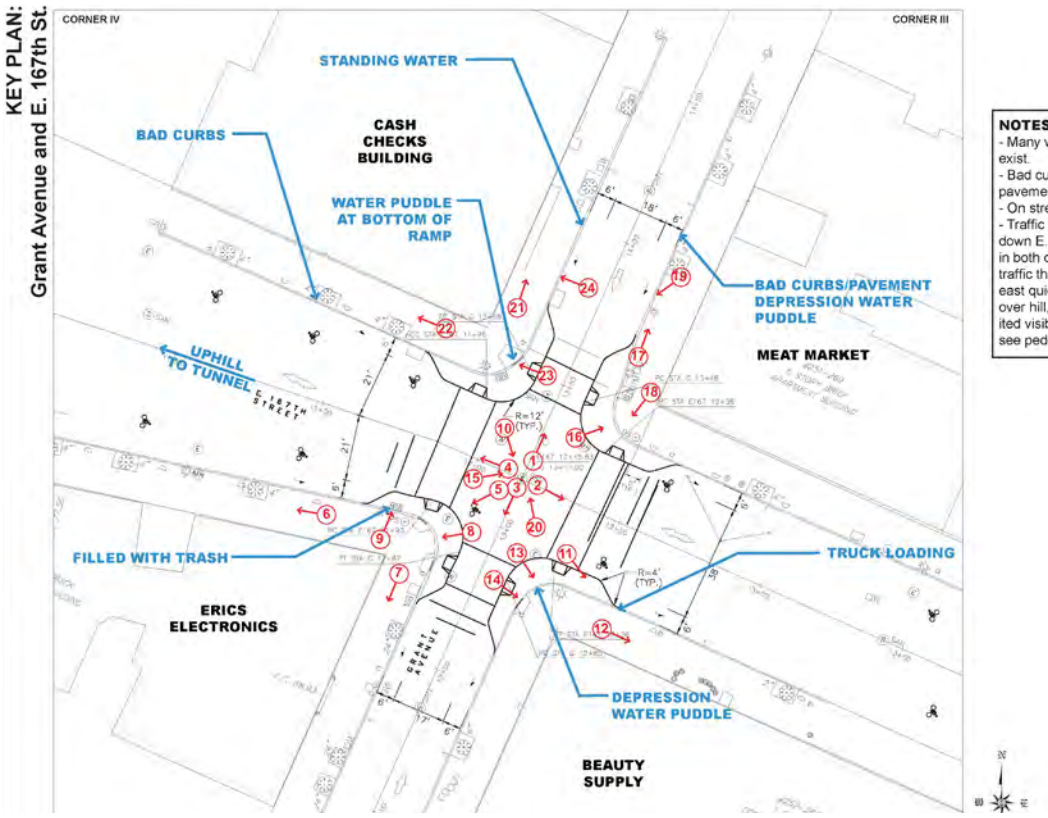
Dino Y.P. Ng, PE
NYC Department of Design & Construction
T • 718 391 2043

SAFE ROUTES TO SCHOOL

New York City Department of Transportation, Staten Island & Bronx, New York

Creating compelling destinations | Enriching communities | Safeguarding special places. *www.saratogaassociates.com*

KEY PLAN:
Grant Avenue and E. 167th St.



NOTES:
- Many water puddles exist.
- Bad curbs and pavement throughout
- On street parking
- Traffic moves quickly down E. 167th heading in both directions- traffic that is heading east quickly moves over hill, creating limited visibility for cars to see pedestrians.

PHOTOS:

The Safe Routes to School Program aims to improve safety and to encourage more children to safely walk or bicycle to school. Additional goals were to reduce traffic congestion and improve health and the environment, thus making communities more livable for everyone.

Saratoga Associates provided site analysis, urban design treatments, and evaluation of sustainable design opportunities in support of the New York City Department of Design and Construction High Performance Design Guidelines for eight schools in Staten Island and the Bronx. Proposed improvements include pedestrian refuge islands, sidewalk amenities, porous pavements, structural soil and street tree plantings.

PROJECT HIGHLIGHTS

- *> Improve Pedestrian Safety*
- *> Sustainability Review*
- *> NYC DDC High Performance Design Guidelines*
- *> Detailed Annotated Site Analysis*
- *> Sidewalk Improvements and Furnishings*
- *> Street Tree Plantings*

1ST AND 2ND AVENUE SELECT BUS SERVICE

NYC Department of Transportation (DOT), New York, NY

Creating compelling destinations | Enriching communities | Safeguarding special places. *www.saratogaassociates.com*

Saratoga Associates provided landscape architectural, urban design, and certified arborist services for the final design documents for construction of twelve future bus bulbs on 1st and 2nd Avenue in Manhattan. The new bus bulbs help to enhance east side bus transportation in Manhattan and include new tree plantings as well as planting areas designed to capture, infiltrate, and reduce stormwater runoff. Five locations were designed to capture stormwater from the roadway. Saratoga Associates worked closely with STV, Inc. and the NYC DEP to develop the protocol for this new technology. Urban design elements include placement of bus shelters, ticket vending machines, benches and lean bars as well as pedestrian drop curbs, wheel chair access ramps and detectable warning pavers. Saratoga Associates coordinated with NYC Dept of Parks & Recreation Forestry for all tree-related permitting issues and followed the latest citywide directive for tree evaluation.

PROJECT HIGHLIGHTS

- *> Urban Design*
- *> Landscape Architectural Design*
- *> Traffic Safety*
- *> Part of Complete Streets Initiative*
- *> Public Outreach*
- *> Arborist Services*
- *> Tree Inventory*

CLIENT REFERENCE

Eric Beaton, Director of Transit Development
Traffic and Planning
NYC Department of Transportation
Water Street, 9th Floor
New York, NY
T • 212 839 6697
E • ebeaton@dot.nyc.gov

BREWERTON REVITALIZATION

Hamlet of Brewerton, New York

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Saratoga Associates was retained to create a vision to revitalize a waterfront park and streetscape in the hamlet of Brewerton located within the Town of Cicero, New York. This federally funded transportation improvement and waterfront park project required close coordination with the Federal Highway Administration, New York State Department of Transportation, New York State Office of Historic Preservation Office, New York State Canal Corporation, as well as County and local agencies.

This project encompasses managing the project through funding coordination, survey, design development to construction documentation and implementation. The intent of the project was to improve waterfront amenities in the hamlet and to revitalize the Route 11 Streetscape to provide an overall village-scale setting for economic development and to enhance the quality and character of the community.

PROJECT HIGHLIGHTS

> *Create a distinct setting and destination within the hamlet and region.*

> *Improve connections to the waterfront.*

> *Improve pedestrian amenities along Route 11.*

BROADWAY JUNCTION

NYC Department of Transportation (DOT) Preliminary Design, NYC Department of Design & Construction (DDC) Final Design, Brooklyn, NY

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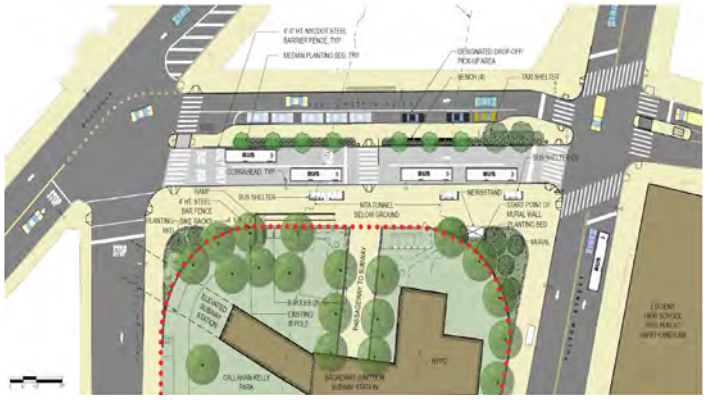

As part of Mayor Bloomberg's Complete Streets Initiative, one of Saratoga Associates' projects for this program was to develop a streetscape improvement alternative for the Broadway Junction mass transit hub in Brooklyn, NY as part of the team led by STV Inc.

The area immediately adjacent to the Broadway Junction subway station entrance, where multiple mass transit lines, vehicular and pedestrian traffic converge, is characterized by conflicts between pedestrian and vehicular activity. Saratoga Associates conducted an inventory and analysis of existing site issues, contributed to discussions during Technical and Community advisory meetings, and developed design alternatives to create a safer and self-regulating pedestrian environment, with clearly designated pedestrian crossings; areas of vendor, pedestrian and commuter activity; and much needed amenities, including pedestrian lighting and furnishings. The firm has participated in a public outreach effort with surrounding community stakeholders in order to ensure that its design recommendations are responsive to their concerns regarding the many pedestrian circulation issues associated with this site.

PROJECT HIGHLIGHTS

> Urban Design

> Landscape Architectural Design

> Traffic Safety

> Part of Complete Streets Initiative

CLIENT REFERENCE

Eric Beaton, Dir. Transit Development
NYC DOT Transit Development
Office of Project Development
T • 212 839 6697
E • EBeaton@dot.nyc.gov

RIVER GREENWAY AND DOWNTOWN IMPROVEMENTS

Village of South Orange, South Orange, New Jersey

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www.saratogaassociates.com

Saratoga Associates is the landscape architectural consultant tasked with the concept design and development of a new River Greenway and Downtown Improvements project along the East Branch of the Rahway River as it passes through the heart of the Village of South Orange in New Jersey. This future pedestrian/bikeway will provide an organizing backbone linking parks, recreation facilities, schools, transportation hubs and the downtown with the surrounding residential community. It will provide a safe, scenic and independent circulation corridor for the community and its children, especially for those commuting to and from the local middle school to a necklace of athletic fields and public facilities. Work includes key roadway crossing will link the community with the centrally located commuter rail station. Saratoga Associates is facilitating an ongoing series of meetings with the River Greenway committee and the public.

Consultant role:

- Landscape Architecture Sub-consultant

PROJECT HIGHLIGHTS

> Identification of site resources & issues.

> Identification of environmental, educational & recreational opportunities.

> Providing trails and linkage to other county open space resources and cultural institutions.

CLIENT REFERENCE

Mr. Salvatore Renda, PE, Village Engineer
101 South Orange Avenue
South Orange, NJ 07079
T • 793 378 7715

MOHAWK RIVER PEDESTRIAN BRIDGE

City of Amsterdam, Amsterdam, New York

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Saratoga Associates, as part of the project team lead by Ammann & Whitney, was responsible for creating a comprehensive vision for the design of a pedestrian bridge over the Mohawk River, which reconnects the two sides of the City of Amsterdam, New York. The "Park over the River", design theme extends a greenway over the bridge and includes extensive landscape plantings, viewing areas, gathering spaces for large functions, and a variety of interpretive elements highlighting the history and culture of the City and its relationship to the Mohawk Valley Region.

The bridge's design vocabulary incorporated interpretive architectural and landscape architectural elements to celebrate the story of Amsterdam. The curvilinear bridge design established an artful ribbon that unifies diverse origins, perspectives, and places. The project required close coordination with the Canal Corporation, the City of Amsterdam, and Congressman Paul Tonko.

Saratoga Associates in-house project team was comprised of:

- Daniel M. Shearer, Principal-in-Charge
- Brit G. Basinger, Urban Designer / Landscape Architect
- Matthew G. Rogers, Permitting/Planning

PROJECT HIGHLIGHTS

> *Creates a recreational asset and expands the City's waterfront amenities*

> *Establishes a regional destination and venue to celebrate art and cultural diversity*

> *Provides connection to separated neighborhoods*

CLIENT REFERENCE

Mayor Ann Thane
61 Church Street, Amsterdam, NY, 12010
T • 518 841 4311
E • mayorthane@choiceonemail.com

ABOUT THE PROJECT

CLIENT:

NYS Department of Transportation

50 Wolf Road

Albany, NY 12232

CLIENT CONTACT:

Shilpan Patel, P.E.

Project Manager

(212) 267-4113

CONTRACT VALUE:

$250M

SERVICES:

Preliminary Highway Design

Final Highway Design

Complex MPT Design

Coordination with the NYCDOT and NYC Parks Department

Design Survey and Mapping

ROW Survey and Mapping

Storm Water Management

Urban Design

Contract Document and Supplemental Specifications

World Trade Center Site, Route 9A, West Promenade Project

New York, NY

As part of the design team, KC's responsibilities on this $250M mega project were to reconstruct/restore the eight-lane roadway that existed prior to September 11, 2001 in accordance with the Record of Decision issued in July 2005.

The project included at-grade pedestrian-friendly, aesthetic features to enhance the neighborhood redevelopment and the economic recovery in Lower Manhattan. This project required extensive coordination with other consultants, impacted agencies, other stakeholders, and the community.

The work involved Design Phases V–VI and included highway, utility, drainage, landscape, and urban design, surveying and mapping, and at-grade boulevard treatments.

ABOUT THE PROJECT

CLIENT:

Village of Wappingers Falls, NY

2582 South Avenue

Wappingers Falls, NY 12590

CLIENT CONTACT:

Matt Alexander

Mayor

(845) 297-8773

SERVICES:

Road Work

Sidewalk Work

Grant Funding

DeLavergne Avenue Reconstruction

Wappingers Falls, NY

This Community Development Block Grant (CDBG) project consisted of the reconstruction of 1,000 LF of road, sidewalks, and curbs along DeLavergne Avenue in Wappingers Falls, NY between Route 9D and Sheafe Road. KC designed the road and site work to improve site safety and ease of use for multi-modal functions.

ABOUT THE PROJECT

CLIENT:

Village of Wappingers Falls, NY
2582 South Avenue
Wappingers Falls, NY 12590

CLIENT CONTACT:

Matt Alexander
Mayor
(845) 297-8773

SERVICES:

Road Work
Sidewalk Work
Grant Funding

East Main Street Sidewalks

Wappingers Falls, NY

This fall 2013 Dormitory Authority of the State of New York (DASNY) project, funded with the help of a grant from then State Senator Gipson, allowed for the complete reconstruction of East Main Street's sidewalks from the Route 9 commercial corridor to the heart of the Village of Wappingers Falls, NY. The new sidewalk and roadway shoulder areas improve site safety for pedestrians, bicyclists, and other non-vehicular traffic.

ABOUT THE PROJECT

CLIENT:

Village of Wappingers Falls, NY

2582 South Avenue

Wappingers Falls, NY 12590

CLIENT CONTACT:

Matt Alexander

Mayor

(845) 297-8773

SERVICES:

Road Work

Sidewalk Work

Grant Funding

Pedestrian Improvements Crossing Route 9D

Wappingers Falls, NY

KC prepared a Preliminary Engineer Report to assist the Village of Wappingers Falls with receiving this NYSDOT Transportation Alternatives Program (TAP) funded project which features safety enhancements for pedestrian and multimodal traffic crossing Route 9D. After completing the preliminary design, KC has met with the NYSDOT and received conceptual approval for this project. Detailed design for the pedestrian corridor safety enhancements and traffic calming improvements will begin in 2015.

ABOUT THE PROJECT

CLIENT:

Village of Wappingers Falls

2582 South Avenue

Wappingers Falls, NY 12590

CLIENT CONTACT:

Matt Alexander

Mayor

(845) 297-8773

DESIGN CONTRACT COMPLETION DATE:

December 1, 2013

CONSTRUCTION COMPLETION DATE:

October 31, 2014

CONSTRUCTION DURATION:

8 months

CONSTRUCTION COST:

$1.4M

KC DESIGN FEE:

$250,000

SERVICES:

Roadway Design

Utility Design

ROW and Mapping

MPT Design

Project Management

Construction Inception and Management

North Mesier Avenue Reconstruction

Wappingers Falls, NY

The project consisted of the reconstruction of 1,800 LF of Mesier Avenue throughout the Village of Wappingers Falls, NY. The major components of the project included: saw-cutting pavement, inserting five 6" diameter wet taps with sleeves and valves, inserting 1,300 LF of 12" diameter, 135 LF of 8" diameter, and 40 LF of 6" diameter ductile iron pipes with all appurtenances, inserting 3 fire hydrants with a 6" valve with a box, removing pavement, curbing, and sidewalk, replacing 17 existing water services (1" type "K" copper), and cutting and capping an existing 6" water main at 7 locations. Throughout construction KC maintained and protected traffic flow.

The project also required the bypassing of pumping for the live sewer main replacement, as well as the replacement of 570 LF of 8" PVC sewer main pipe, 50 LF of 10" PVC sewer main pipe, 3 sanitary manholes, 17 existing sanitary sewer laterals (4" diameter PVC SDR-35), 1,800 LF of concrete curb, and 1,500 SF of existing concrete sidewalks. The final stages of the reconstruction consisted of pavement restoration (including full depth pavement and overlay pavement), landscape restoration, and tree plantings.

The main challenges of the project were maintaining the water and sewer service to the residences along North Mesier Avenue as well as maintaining access to the individual driveways for residents. The project required a systematic staging of pipe replacements to allow the water service to be maintained as well as bypass pumping of the sewers to maintain sewer service. The reconstruction of the curbing sidewalk and driveway aprons required matching the existing grades and transitions with the new street while providing positive drainage towards the existing storm sewer system.

ABOUT THE PROJECT

CLIENT:

NYS Department of Transportation

50 Wolf Road

Albany, NY 12232

CLIENT CONTACT:

Victor Teglasi, P.E.

Project Manager

(212) 366-5600

CONSTRUCTION COST:

$54M

SERVICES:

Project Scoping Analysis

Hydraulic Analysis

Pavement Evaluation

Project Scoping Report

Design Survey and Mapping

Environmental Studies

Wetland Delineation and Mapping

Preliminary Bridge Design

Cost Estimates

Southeast Queens Corridor, Scoping

Queens and Nassau Counties, NY

For this $54M scoping study project, the objective was to identify and investigate development transportation needs and opportunities in the Southeast Queens corridor (Nassau Expressway/Rockaway Boulevard) in Queens and Nassau County. KC joined with Stantec for this project.

The project's limits extended from Cross Bay Boulevard in Queens County to Burnside Avenue in southwest Nassau County.

The main focus of the study was to improve vehicular and pedestrian/bicycle mobility, improve safety and operations, identify and evaluate ways to improve connectivity for goods movement, reduce congestion and delay through the corridor, improve effectiveness of the corridor for emergency response, provide an access management plan for the corridor, and develop alternatives, which are context sensitive and provide appropriate environmental mitigation measures.

ABOUT THE PROJECT

CLIENT

Town of Wallkill

860 Route 17M

Middletown, NY 10940

CLIENT CONTACT

Mr. John Lippert

Highway Superintendent

(845) 361-1106

SERVICES

Construction Inspection Services

PROJECT COMPLETION DATE

November 2009

CONTRACT ESTIMATE COST

$9.0M

Engineering Services for Milling and Resurfacing of Various Federal Aid Roads

Town of Wallkill, Orange County, New York

The work included milling and resurfacing of 18.75 miles of federal aid roads in the Town of Wallkill. Project work included 2" milling and resurfacing. In addition to resurfacing, the project scope also included locations where existing curb reveals were less than 4", the contractor was directed to mill the roadway four to six feet from the curb line to facilitate storm water runoff and create 4" curb reveal after resurfacing with 2" of asphaltic concrete wearing course, laying binder mixture in depressed areas or in areas to buildup crown to facilitate storm water runoff, remove and replace existing substandard base material, remove at least 2" of asphaltic concrete pavement around all street hardware, remove and replace defective curbs and adjacent sidewalks, install new pedestrian ramps, install traffic markings and vehicle loop detectors, pavement joint repairs, underdrain replacement, minor ditch drainage, and landscape work. This project included traffic management strategies such as construction phasing, daily lane closures with restrictions during peak hours, and night time paving operations.

- Goshen Turnpike, Route 17K to Route 211 (3.26 miles)
- Bert Crawford Rd, Maltese Dr to Silver Lake-Scotch Town Rd (0.73 miles)
- Ingrassia Rd, Van Burernville Rd to Route 211 (2.11 miles)
- Maples Rd, Mud Mills Rd to Route 17M (1.02 miles)
- Mud Mills Rd, Highland Ave to Silver Lake-Scotch Town Rd (1.16 miles)
- Van Burenville Rd, Rt 17M to Ingrassia Rd (0.12 miles)
- Cemetery Rd, Midway Rd to Town Line (0.45 miles)
- Cottage St, Town Line to Mud Mills Rd (0.98 miles)
- Crystal Run Rd, Goshen Turnpike to E Main St/Rt 17 Ramp (1.82 miles)
- Genung St, Schutt Rd to Town Line (0.56 miles)
- Schutt Rd, East Main St to Genung St (0.46 miles)
- Silver Lake-Scotchtown Rd, Route 211 to Blumel Rd (2.08 miles)
- South St, Webb Rd to Town Line (0.05 miles)
- Stony Ford Rd, Goshen Turnpike to CR 53 (1.85 miles)
- Webb Rd, South St to Town Line (0.36 miles)
- Wisner Ave, Town Line to E Main St (0.62 miles)
- Ballard Rd, Crystal Run Rd to NYS Route 211 (1.12 miles)

ABOUT THE PROJECT

CLIENT:

Town of Wallkill

99 Tower Drive

Middletown, NY 10941

CLIENT CONTACT:

Daniel Depew

Supervisor

(845) 692-7830

SERVICES:

Building Design

Site Design

DESIGN CONTRACT COMPLETION DATE:

June 1, 2013

ACTUAL CONSTRUCTION COMPLETION DATE:

June 30, 2014

ACTUAL DESIGN COMPLETION DATE:

June 1, 2013

ACTUAL CONSTRUCTION DURATION:

TBD

ESTIMATED COST AT TIME OF BID:

$1.45 Million

ACTUAL CONSTRUCTION COST:

$1.55 Million

Circleville Park Recreation Center

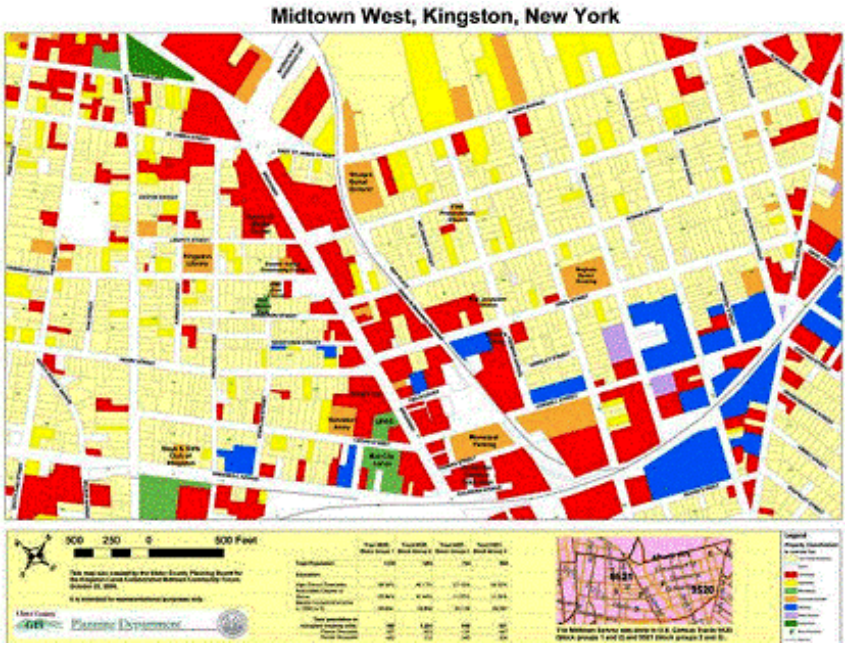
Circleville, New York

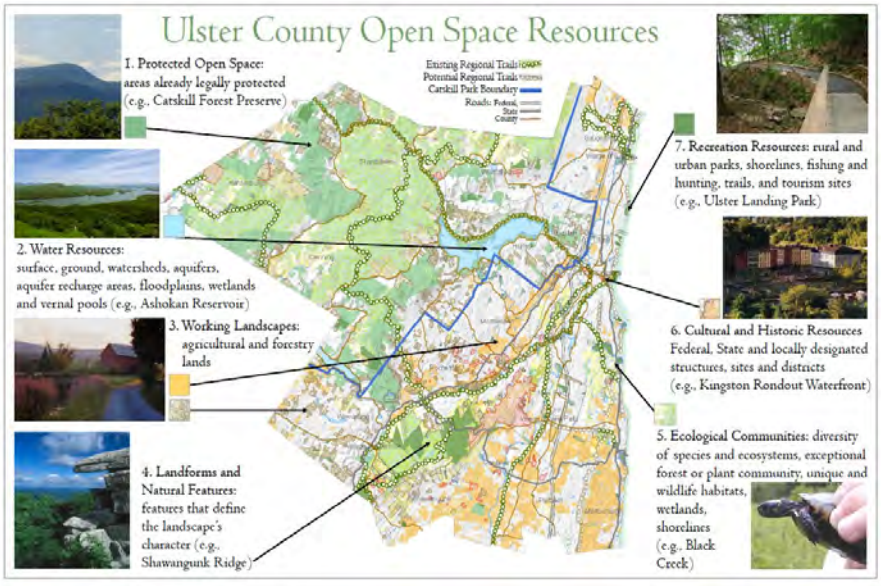
Scope of Work: The project consisted of redeveloping the underutilized Circleville Park within the Town of Wallkill, by creating a complete Recreation Center. The park, previously a nunnery, had housed the Town's Boys and Girls Club offices. The building had to be demolished due to the condition. Our office designed new office space using modular building construction technology. The building was adapted to work with the significant grade change on-site to provide an office space for the Boys and Girls Club operations upstairs and a recreation center in the lower level. The lower level also contained two public restrooms and a lifeguard shower to be used by the public visiting the adjacent lake.

Another building, a 7,600 sq.ft. gymnasium, was designed to provide indoor recreation and training space for the Towns multiple club programs as well as the Boys and Girls Club programs. The recreation building is heated with in-floor radiant heat and the building is fully sprinklered for safety. Our office also performed all site development design work for the project including grading, parking, access roads, drainage, and landscaping. The project was bid using five separate contracts, contract administration and construction inspection services were all provided by KC Engineering.

Challenges: Beyond the typical challenges facing a municipal project (such a budgetary constraints), this project had other physical challenges. A significant grade change existed onsite as well as small lake used for swimming. An additional challenge was setting the 34' tall 7,600 sq. ft. gymnasium structure in the wooded setting without looking imposing. KC Engineering turned the challenge to its advantage using the grade change to build a walkout lower level and blend the much taller gymnasium with its surroundings.

URBAN PLANNING & COMMUNITY DEVELOPMENT





ULSTER COUNTY MAIN STREETS PROGRAM AND STRATEGIC TOOLBOX

As Deputy Director of Planning for Ulster County from 2004-2012, Hone's Principal Jennifer Schwartz Berky developed a market-based main street planning process for various hamlets in Ulster County. This involved compiling data and preparing analyses on land-use, housing, retail markets, tourism trends, and other factors that communities can use to improve their strategic position as business centers and community crossroads.

Berky worked with community leaders in several locations to develop:

- Asset Based Plans
- Community-Led Initiatives
- Land Use and Design Analysis
- Market and Economic Analysis, and
- Targeted Development Initiatives

Her assistance to various community organizations to generate a vision for the revitalization of the west section of Midtown Kingston from 2005 to 2010 involved helping them develop strategic plans, earn grants, and develop projects.

ULSTER COUNTY OPEN SPACE PLAN

As Deputy Director of Ulster County, Berky authored this plan in 2007, which includes protection and management of water resources, protected open space, agriculture, culutral heritage, and recreation, as well as the vision of developing a county-wide trails network now becoming a reality in Ulster County.

She worked with hundreds of stakeholders and individuals and collaborated with various local, state, and Federal government agencies and organizations to implement the plan, which continues to serve as the blueprint for open space management in the County.

STAKEHOLDER VISIONING & FACILITATION

Pine Hill Main Street Committee Planning Charrette

Kingston Tidal Flooding Task Force

Phoenicia Post-Flooding Community Meeting

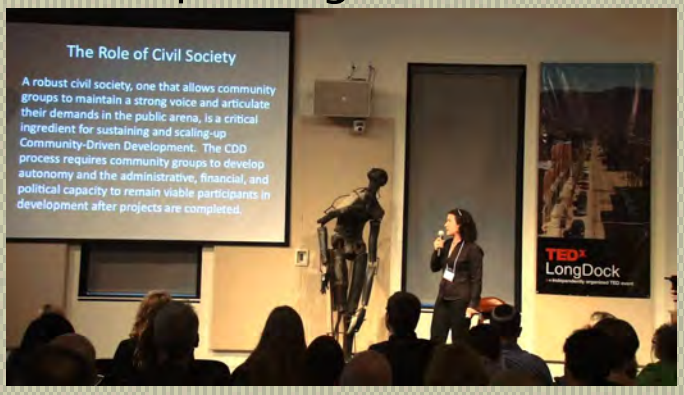
Kingston Midtown Kings Inn Charrette

Good projects are driven by a clearly articulated vision and mission. Stakeholder participation is a crucial element of any planning process. Hone Strategic has worked with groups of all sizes to help them identify and prioritize their goals: community and organization leaders, citizens and community groups, business associations, students, religious congregations, and government bodies.

At left/above, Jennifer Schwartz Berky worked with the **Pine Hill** (NY) community to coordinate plans for Main Street tourism, economic development and National Register Nomination. Here to the left, she works with a group as a member of **Kingston's Tidal Flooding Task Force,** for which she later assisted the Task Force and NYS DEC in leading the study to adoption by the Kingston's Common Council.

In **Phoenecia,** she worked with the community and business to re-establish the business association there and develop readiness for future storm flooding events. Lower left, she worked with the Business Alliance of Kingston to create, organize, and facilitate a charrette on a former welfare hotel site. Several visions emerged from that process, leading to a greater focus on **Midtown Kingston**'s revitalization.

Public Speaking - TEDx Beacon



Berky was the first speaker at the Beacon Long Dock TEDx, 2013

TRAILS & CULTURAL HERITAGE TOURISM PLANNING

Berky is a member of the Kingston Land Trust Rail Trail Committee as a volunteer (in blue, upper left) as the "Trailhead" for the Walkill Valley Rail Trail (WVRT) section of the planned Greenline in Kingston, which involved identifying all opportunities and obstacles to developing that trail (as shown above in Alta Planning report, 2014). She is currently working with Rondout Consulting to analyze and recommend parcel purchases for the implementation WVRT plans.

Hudson River Valley Greenway Conservancy Trustee

Berky has worked with the Greenway as a regional planner since 2004, advocating for and/or writing several trails and community grants for Ulster County, including helping the Kingston Land Trust secure its first Greenway grant. A trustee since 2011, Berky became a member of the executive board in 2014. The Greenway has been a long-standing, staunch advocate of the regionwide trails network.

As a planner and involved citizen volunteer, Jennifer Schwartz Berky has been working on trails throughout her 30+ year career, going back to the planning of Battery Park City's Esplanade (1985) and the Hudson River Park (1993) in Manhattan, where she worked on design and planning of those model waterfront trails. In the Cinque Terre, Italy, Berky led the economic development planning team of a UNESCO-sponsored study (1999) to idenitfy more sustainable means of support for that World Heritage Cultural Landscape and its network of fragile mountain and waterfront trails.

In Ulster County, Berky has worked with many communities and organizations to help them plan and develop cultural heritage tourism destinations, including trails, including Shandaken (Phoenicia and Pine Hill), Marlborough (Milton), Marbletown (High Falls and Stone Ridge). In 2014, after many years of planning, she helped the D&H Canal Historical Society secure a $500,000 New York State Parks Grant to purchase the Depuy Canal House (above), which will become a visitor center as part of a regionial trail system, which Berky will plan with the community and assistance from the Open Space Institute.

35 Hone Street, Kingston, NY 12401 845.389.2404 jsberky@honestrategic.com www.honestrategic.com

Berky was the first speaker at the Beacon Long Dock TEDx, 2013